

**ISSUE 52**

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element14

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**WIRED FOR PROGRESS**  
CONNECTING IDEAS,  
POWERING POSSIBILITIES



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# EDITOR'S NOTE

## A NEW YEAR, A NEW SPARK - WELCOME TO THE 52<sup>nd</sup> EDITION OF CONNECT MAGAZINE!

This quarter, we celebrate the spirit of innovation that keeps our world moving forward. Our theme, **'Wired for Progress: Connecting Ideas, Powering Possibilities'** reflects how collaboration, creativity, and technology together are shaping a smarter, more connected future.

To our readers and customers — thank you for being an essential part of this journey. Your continued trust and engagement inspire us to bring you stories, insights, and solutions that empower progress across industries and ideas.

### Stay connected with us!

Register at [au.element14.com/connect-magazine#register](https://au.element14.com/connect-magazine#register) to receive exclusive content, product updates, and offers straight to your inbox.

Have feedback or ideas to share? We'd love to hear from you — write to us at [au-marketing@element14.com](mailto:au-marketing@element14.com). Your thoughts help us grow and shape each edition to serve you better.

Here's to a year of new connections, bold possibilities, and being truly wired for progress.



**Mamta Kumari**



**Nadia Siahaan**

Marketing Team, element14



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## WELCOME TO A NEW CHAPTER OF INNOVATION IN THE 52<sup>ND</sup> EDITION OF CONNECT MAGAZINE!

A new year always brings with it a renewed sense of purpose — and 2026 feels especially promising. Around us, technology continues to evolve at lightning speed, breaking barriers and shaping a more connected, intelligent world. Yet, true progress happens when these connections spark ideas, inspire collaboration, and make life better for people everywhere.

That's what this edition's theme, **'Wired for Progress: Connecting Ideas, Powering Possibilities,'** is all about — harnessing innovation not just to move faster, but to move forward together.

At element14, we take pride in being the bridge that brings great ideas to life — from the engineer designing tomorrow's solutions to the maker testing the limits of creativity. In this issue, you'll discover the latest from our partners **Multicomp Pro**, **Analog Devices (ADI)**, and the **element14 Community**, alongside a showcase of our **best-performing products in ANZ**. Each story, tool, and insight is designed to help you push boundaries and achieve more with confidence.

As we look ahead, let's stay wired for progress — connected by curiosity, driven by innovation, and united by the belief that when ideas meet opportunity, the possibilities are endless.

Warm regards,

**CY Chan**

Vice President, Sales and Service, APAC  
element14



### A02TGLC - Air Core Inductor

- Mini spring AxxT series
- Product length: 3.94mm
- RMS current (Irms) 4A



**Coilcraft**

Order Code  
**228716902**

**30% OFF** \$2.48

### 1061200000 - MOUNTING BRACKET

- Net weight: 14.26 g
- Continuous temperature minimum: -50 °C
- Continuous temperature maximum: 100 °C



**Weidmüller**

Order Code  
**157533302**

**50% OFF** \$4.14

### C6053ALNAM - Rocker Switch

- Positive switch action
- Distinctive styling
- Panel cut out - 31.5 x 25mm



**arcoelectric**  
a brand of budg

Order Code  
**767417102**

**30% OFF** \$7.62

### CM3+/32GB - Single Board Computer

- Broadcom BCM2837B0 Cortex-A53 64-bit 1.2GHz SoC
- 1GB LPDDR2 SDRAM Memory
- 32GB eMMC flash memory storage on-board



**Raspberry Pi**

Order Code  
**298946402**

**\$63.35**

### D02368.. - Utility Key

- Opens water, electricity and gas cabins.
- Can also be used for radiators, stop cocks and taps



**DURATOOL**

Order Code  
**282200502**

**45% OFF** \$3.07

**E14Community**

**element14electronics**

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# INTERCONNECT

Where every connection sparks potential. Discover connectors, cables, wires, and custom assemblies that keep your innovations moving.



To view more products, scan the QR code or visit:  
[au.element14.com/Connect52Interconnect](https://au.element14.com/Connect52Interconnect)

## 11.09.4500 - AUDIO / VIDEO CABLE ASSEMBLY

**roline**



- Cable length (Metric): 200 mm
- Connector type B: 3.5 mm stereo jack plug
- Cable length (Imperial): 7.9"

20% OFF

**\$1.90**

Order Code  
280777002

## T411012081-000 - SENSOR CONNECTOR

**TE**



- Nickel shell plating, sealed and preloaded plug
- 8 position plug
- 250Vrms voltage

20% OFF

**\$17.22**

Order Code  
262772202

## TM2S6-C - CABLE TIE MOUNT

**PANDUIT**



- Screw applied cable tie mount
- Offer a through hole in the mount in which a screw can be secured
- Offers maximum stability for cable bundles

40% OFF

**\$47.06**

Order Code  
262984002

## 281-101 - DIN RAIL MOUNT TERMINAL BLOCK

**WAGO**



- UL94V-0 flammability rating
- Rated surge voltage: 8kV
- Wire connection method: clamp

45% OFF

**\$4.62**

Order Code  
128347102

## 1393367-1 - AUTOMOTIVE CONNECTOR CONTACT

**TE**



- F-Crimp termination method to wire & cable
- 9A typical current rating
- Stamped & formed contact fabrication

30% OFF

**\$10.30**

Order Code  
252801302

## HC-2 - CABLE TIE MOUNT

**multicomp PRO**



- Mount fixing type :Screw
- Mount colour : Natural
- Length : 23mm

45% OFF

**\$14.54**

Order Code  
177345102

## 151-01040 - CABLE TIE MOUNT

**HellermannTyton**



- Mounting hole diameter: 8 mm
- Mount material: nylon 6 (polyamide 6), glass fibre reinforced
- Length: 70 mm | height: 18.6 mm

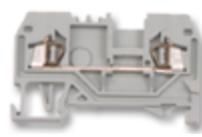
30% OFF

**\$2.14**

Order Code  
429492602

## 280-901 - DIN RAIL MOUNT TERMINAL BLOCK

**WAGO**



- Gray colour terminal block
- Dimension of terminal block is 28mm x 53mm x 5mm (H x L x W)
- Weight: 5.3g

50% OFF

**\$4.08**

Order Code  
128343002

## 0460-202-1631 - AUTOMOTIVE CONNECTOR CONTACT

**TE**



- Crimp termination
- 13A current rating
- Gold contact plating

30% OFF

**\$1.23**

Order Code  
248430502

## 151-26304 - CABLE TIE MOUNT

**HellermannTyton**



- UL94V-2 flammability rating
- Operating temperature range: -40 to 85°C

10% OFF

**\$18.47**

Order Code  
116905602

## S15-50-C0 - CABLE TIE

**PANDUIT**



- Standard, 14.57" (370mm) length
- Made of nylon 6.6, AH-2 plenum rated
- For outdoor use, made of weather resistant nylon 6.6

5% OFF

**\$15.90**

Order Code  
365227202

## NE8MX6 - MODULAR CONNECTOR

**NEUTRIK**



- Ruggedized connector with Cat6a component compliance according to ISO/IEC 11801 and TIA/EIA 568-C.2
- PoE+ compliant according to 802.3at Type2
- Rugged latch lock system million fold proven

10% OFF

**\$30.07**

Order Code  
254378102

1-1719506-1 - AUTOMOTIVE CONNECTOR CONTACT



- 12AWG to 14 AWG wire size
- Tin contact plating
- AMP MCP 2.8 series automotive housing connectors

30% OFF  
**\$3.14**

Order Code  
**379339202**

MP011769 - AUTOMOTIVE CONNECTOR



- Voltage rating: 500V
- Current rating: 15A and 30A
- Number of contacts: 3

40% OFF  
**\$0.94**

Order Code  
**422029502**

170021-3 - BULLET TERMINAL



- 20 AWG to 14 AWG wire size
- Bullet diameter: 3.56 mm
- Terminal type: female bullet

10% OFF  
**\$14.00**

Order Code  
**379315902**

50007M12PASW-F - CABLE GLAND



- Polyamide PA6 V-2 material
- Integrated anchorage
- Wide sealing and clamping range

20% OFF  
**\$1.04**

Order Code  
**116878102**

33482-4802 - AUTOMOTIVE CONNECTOR HOUSING



- Dual row
- 8 circuits
- Operating temperature range: -40° to +125°C

20% OFF  
**\$2.75**

Order Code  
**305017002**

HYKS-02412PP - BARRIER TERMINAL BLOCK



- Kwik snap range
- Working temperature range: 85°C to 110°C
- Pitch spacing: 8mm

30% OFF  
**\$1.55**

Order Code  
**205662602**

MP010323 - CABLE GLAND KIT



- Waterproof, dustproof and breathable cable gland
- PA sealing nut, EPDM seal, PA body
- EPDM gasket, PA lock nut

45% OFF  
**\$2.33**

Order Code  
**405788702**

50013M20PASW-F - CABLE GLAND



- Polyamide PA6 V-2 material
- Integrated anchorage
- Wide sealing and clamping range

30% OFF  
**\$1.16**

Order Code  
**116878402**

282087-1 - AUTOMOTIVE CONNECTOR HOUSING



- Housing material is polyamide 66
- Integrated with locking feature
- Single row housing suitable with mating tab width of 1.5mm

20% OFF  
**\$7.16**

Order Code  
**15042302**

52103120 - BLANKING PLUG, SKINDICHT® BL-M



- Corrosion-resistant
- Robust and reliability
- Temperature-resistant

40% OFF  
**\$1.98**

Order Code  
**117903402**

MP012652 - CABLE GLAND



- Provided with lock nut, O-ring and sealing nut
- Working temperature range from -20°C to 80°C
- EICEx, ATEX, CCC certificate

45% OFF  
**\$8.70**

Order Code  
**424053702**

10066120 - CABLE GLAND



- Maximum traction relief through WISKA patent lamella
- Seal tight of enclosure through moulded sealing ring
- Profil thread with high torque guarantees tight and permanent fit of the cap nut (vibration-safe)

20% OFF  
**\$6.18**

Order Code  
**345885202**

MP015234 - CABLE



- D Sub 9 position plug
- Length: 100mm
- FT232RL

45% OFF  
**\$24.85**

Order Code  
**457237202**



1-2199230-6 - CARD EDGE CONNECTOR



- Pitch Spacing: 0.5 mm
- Rated voltage: 50 VAC (per pin)
- Rated current: 0.5 A (per pin)

30% OFF

\$3.08

Order Code  
322678102

RG58 - COAXIAL CABLE



- 50 ohm impedance: optimised for consistent, low-loss RF signal transmission
- Per metre availability: offers custom length options to suit diverse installation needs

45% OFF

\$1.50

Order Code  
340740702

SBH-001T-P0.5 - CONTACT



- Low-profile
- Applicable to special wires
- Headers locating with bosses

40% OFF

\$0.03

Order Code  
183302802

JDAE12PA/SW - ENCLOSURE ACCESSORY



- Durable polyamide PA6 V-0
- Hydrophobic and oleophobic PES polyether sulphone membrane
- Nitrile rubber O-ring

3% OFF

\$5.66

Order Code  
230839402

CA 3 GD - CIRCULAR CONNECTOR



- IP67 degree of protection
- Maximum conductor cross section: 1.5mm<sup>2</sup>
- Operating voltage: 250VDC/400VAC

40% OFF

\$11

Order Code  
49468902

PS11246 - COMPUTER CABLE



- For use with switch boxes or as an extension
- Wired 1-1
- 6.6 ft, 2 m, black

45% OFF

\$8.79

Order Code  
340236502

NES/J 21 G - DC POWER CONNECTOR



- Outer diameter is 5.5mm
- Inner diameter is 2.1mm
- Rated current is 0.5A

30% OFF

\$9.17

Order Code  
121703402

PSG03302 - ETHERNET CABLE



- RJ45 plug to RJ45 plug
- Cat6 wiring
- Gold plated contacts

30% OFF

\$1.92

Order Code  
337132902

2CT3032-W06300 - CIRCULAR CONNECTOR



- Lock type mating style
- Female pin contact gender
- Cable outer diameter range from 4mm to 6.5mm and minimum 500 cycles durability

40% OFF

\$13.64

Order Code  
262821502

GDM3-21 EPDM - CONNECTOR ACCESSORY



- Temperature range: -40°C to 125°C
- GDM series cable socket
- EPDM, brown, flat gasket

45% OFF

\$9.79

Order Code  
831309102

1210230238 - DIN VALVE CONNECTOR



- Black nitrile gasket and screw
- PG9 internal threads
- Maximum current per contact: 16A

40% OFF

\$4.34

Order Code  
190060502

PEL01259 - EXTENSION LEAD



- Fitted with overload switch
- 240VAC, 10A rating
- Blue LED power indicator

40% OFF

\$23.89

Order Code  
340493702

11-03-0044 - EXTRACTION TOOL



- For use with Mini-Fit Jr., Mini-Fit HCS, Mini-Fit Plus HCS series 30-14AWG pin and socket contacts
- For 5556, 30490, 44476, 44478, 45750, 46012, 46018, 46083 terminals

3% OFF

\$39.97

Order Code  
52508002



**311-00489 - HEAT SHRINK TUBING**



- Semi-rigid
- Very good mechanical strength, abrasion and chemical resistance
- Self extinguishing

**40% OFF**  
**\$8.01**

Order Code  
**207091202**

**MC8533-6201 - IN-LINE ADAPTER**



- Category 6e STP coupler with flange frame and screws
- High impact flame retardant plastic housing and nickel plated copper alloy shielding
- Convert to gender: Receptacle

**30% OFF**  
**\$11.98**

Order Code  
**239630702**

**M7566-05 - JUMPER (BUSBAR)**

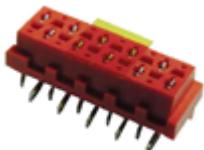


- Vertical connector orientation
- Can be fitted by hand, giving an alternative on-board programming method to DIP switches end and side stackable

**30% OFF**  
**\$0.32**

Order Code  
**15041102**

**8-188275-0 - PCB RECEPTACLE**



- Red colour PA4.6 housing
- Phosphor bronze with tin plated contacts
- Current rating: 1A

**30% OFF**  
**\$2.55**

Order Code  
**378474502**

**NAC3MPXXA - HIGH POWER CONNECTOR**



- Power-in (blue) a with different keying to avoid the possibility of intermating
- Lockable single phase connector
- 3 contacts for line, neutral and prematng safety ground

**20% OFF**  
**\$6.53**

Order Code  
**417674002**

**CP30220 - IN-LINE ADAPTER**



- CSK hole
- Mount from the front or back
- Low rear profile accommodates the tightest 'behind the panel' spaces

**30% OFF**  
**\$7.97**

Order Code  
**249156902**

**52103030 - LOCKNUT**



- Size 30 mm AF; 33mm OD
- Good chemical resistance
- Mechanical resistance

**40% OFF**  
**\$9.30**

Order Code  
**117893702**

**43045-0812 - PIN HEADER**



- Pitch spacing: 3mm
- Connector type: PCB header
- No. of rows: 2

**20% OFF**  
**\$13.30**

Order Code  
**101224902**

**HLC3S-X0 - HOOK & LOOP FASTENER**



- Suitable for indoor environments
- Manufacture standard package = 10 EA
- Fastener Width - Metric: 19.1 mm

**30% OFF**  
**\$3.47**

Order Code  
**117988502**

**PX0833 - IN-LINE ADAPTER**



- Cat 5e shielded coupler
- For use with Ethernet buccaneer flex connectors
- Standard patchcord can be plugged into rear

**30% OFF**  
**\$90.30**

Order Code  
**966772502**

**569010 - PANEL MOUNT BARRIER TERMINAL BLOCK**



- Screw retaining cover is hinged and removable
- Modular snap-together blocks for building multi-pole power blocks
- Easily clips onto DIN rail or mounts to panel with screws

**45% OFF**  
**\$24.65**

Order Code  
**397304802**

**11.99.8949 - USB CABLE**



- Maximum conductor resistance: 3Ω
- Insulation resistance: -10MΩ at 300VDC
- Dielectric strength: -100VAC/minute, 1mA

**40% OFF**  
**\$3.26**

Order Code  
**244424702**

**216-203 - WIRE FERRULE**



- Strip length: 10mm
- Pin Length: 8mm
- Diameter: 3.5mm



**20% OFF**  
**\$0.25**

Order Code  
**275883602**

# ELECTROMECHANICAL

**Precision in Motion. Powered by reliability.** From thermal management solutions to switches, relays, and more! engineered for flawless performance in every application.



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[au.element14.com/Connect52Electromechanical](http://au.element14.com/Connect52Electromechanical)

## MCDP201AT/2122HBL.GN - AC AXIAL FAN

**multicomp**



- Slim line axial flow fan with die-cast aluminium frame
- Rated speed: 2150/2500RPM
- Counter clockwise direction of rotation viewed from front of fan blade

10% OFF

**\$27.85**

Order Code  
**960658002**

## MPCMA57-S-DC12V-A-R - AUTOMOTIVE RELAY

**multicomp PRO**



- 2.8mm of flat quick connection terminal, 5-85%RH humidity
- A-1 form A contact form, Ag alloy contact material
- 50mohm max contact resistance, 100,000 operations electrical life

45% OFF

**\$3.27**

Order Code  
**432347902**

## 103-314-04 - CIRCUIT BOARD INDICATOR

**MARL**



- Standard intensity LED
- LED polarity
- Reverse polarity

40% OFF

**\$1.54**

Order Code  
**973730802**

## R-78B5.0-2.0 - DC/DC CONVERTER

**RECOM**



- Efficiency up to 96%, no need for heatsinks
- 2A continuous output current
- Wide operating temperature -40°C to +70°C at full load

5% OFF

**\$19**

Order Code  
**274752802**

## LRS-150-24 - AC/DC ENCLOSED POWER SUPPLY (PSU)

**MW**



- Output DC voltage is 24V, output current is 6.5A, output rated power is 156W, efficiency is 89%
- Input voltage range from 85 to 132V AC/170 to 264V AC (by switch)/240 to 370V DC (switch on 230V AC)
- Withstand 300V AC surge input for 5 sec

5% OFF

**\$27.76**

Order Code  
**281597502**

## 590 - BATTERY CONTACT

**KEYSTONE**



- Reliable spring tension assures low contact resistance
- Low profile, economical design
- Retains battery securely to withstand shock and vibration

20% OFF

**\$0.24**

Order Code  
**133984402**

## C3508 - CONNECTOR ADAPTER

**multicomp PRO**



- DC power adaptor I.D. 1.3mm DC plug to I.D. 2.1mm DC jack molded handle
- Length: 31.4 mm

45% OFF

**\$1.53**

Order Code  
**206098502**

## CBPIBLOX-RED. - DEV BOARD ENCLOSURE

**multicomp PRO**



- Compatible with Raspberry Pi Model B+, Raspberry Pi 2 Model B and Raspberry Pi 3 Model B
- Studs for construction blocks fitting on enclosure
- All cut-outs are pre-cut into the case

10% OFF

**\$3.83**

Order Code  
**252408202**

## V23134J52D642 - AUTOMOTIVE RELAY

**TE**



- RT I environmental protection rating
- RT III environmental protection rating
- Product range: Power relay F7 series

20% OFF

**\$12.40**

Order Code  
**991376902**

## 0808VV06-45 - BOBBIN MOUNT

**TIM STOP**



- Maximum stiffness: 4.8DaN
- Maximum static deflection: 1.6mm
- External diameter: 88 mm

45% OFF

**\$2.49**

Order Code  
**499588002**

## MFB40H05A - DC AXIAL FAN

**SEPA EUROPE**



- High-capacity standard fan
- Automotive operating temperature range
- Virtually no premature failure, thanks to burn-in

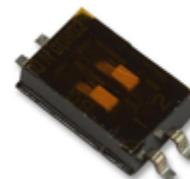
10% OFF

**\$22.37**

Order Code  
**121794102**

## GDH02S04 - DIP / SIP SWITCH

**TE**



- 100mΩ at 2VDC/10mA maximum initial contact resistance
- 100MΩ at 100VDC insulation resistance
- 300VAC (1 minute) dielectric strength

30% OFF

**\$2.58**

Order Code  
**112395202**

D2D1001 - DOOR SWITCH



- Silver contact
- 100MΩ at 500VDC minimum insulation resistance
- 50mΩ maximum contact resistance (initial value)

10% OFF

\$7.19

Order Code  
196105902

4245C - FUSE ACCESSORY



- 3AG Fuse
- Operating temp. range: -58°F to +292°F (-50°C to +145°C)

40% OFF

\$0.62

Order Code  
160822102

ALQ112 - GENERAL PURPOSE RELAY



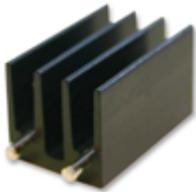
- Compact with high capacity
- Miniature size and small
- Class-F coil is available

40% OFF

\$1.65

Order Code  
250367302

MC33262 - HEAT SINK



- External length : 16.26mm
- Heat sink material: Aluminium
- Mounting type: Vertical with mounting hole

45% OFF

\$2.15

Order Code  
171060402

NSYEL166D6 - EARTH STRAP



- Brass and copper alloy terminal, green and yellow PVC insulating sheath
- 160mm length
- Ø6.4mm terminal

30% OFF

\$4.21

Order Code  
281885702

MC000852 - FUSE



- Ceramic cartridge with Nickel plated brass end caps
- Sand filled
- Break capacity 35A or 10In 250V AC whichever is greater (125mA to 16A)

40% OFF

\$0.31

Order Code  
246118302

G6B2114PUS DC12 - GENERAL PURPOSE RELAY



- Single side stable and double winding latching
- SPST-NO + SPST-NC, SPST-NO, DPST-NO, DPST-NC contact configurations
- Available in flux protection and fully sealed enclosure types

30% OFF

\$7.96

Order Code  
221382102

NMA0505SC - ISOLATED THROUGH HOLE DC/DC CONVERTER



- Efficiency up to 80%
- Power density up to 0.85W/cm<sup>3</sup>
- No heatsink required

5% OFF

\$7.71

Order Code  
102142802

MC32688 - FAN FILTER ASSEMBLY



- Fan frame size: 40mm
- Fixing centres: 32mm
- Guard material: plastic

5% OFF

\$1.91

Order Code  
229291602

C10G4 - FUSE



- Meets IEC 60269 standard
- Optional visible fuse indicator
- 10mm x 38mm fuse size

45% OFF

\$3.07

Order Code  
170135702

SS443A - HALL EFFECT SENSOR



- Unipolar magnetics, medium gauss operating characteristics
- Straight leads, 14.99mm long and 1.30mm spacing
- Quad hall IC design minimises mechanical stress effects

45% OFF

\$6.17

Order Code  
311150702

DEBOX - JUNCTION BOX



- Completely tool-free assembly
- External hand removable lugs for mounting
- Supplied with butterfly clip for locking

40% OFF

\$2.17

Order Code  
247213602

Q6F6CXXG02E - LED PANEL MOUNT INDICATOR



- Gold faston terminal denotes anode (+), silver terminal denotes cathode (-)
- Pin and wire options are epoxy sealed at the rear of the bezels
- Tricolour LED has red and green LEDs when both are connected yellow is produced

45% OFF

\$9.61

Order Code  
249474402



**APEM**  
an IDEC company

558-0201-007F - LED PANEL MOUNT INDICATOR



- Uniform illumination
- IC compatible
- UL94V-0 flammability rating

40% OFF

\$2.65

Order Code  
151943902

ACPL-C87BT-000E - OPTOCOUPLER



- Unity gain
- High input impedance
- Shutdown feature (active high)

30% OFF

\$14.34

Order Code  
231319702

NTC015WH01 - PROBE



- 5ft cable
- Operating temperature min -50°C
- Probe material: 316 stainless steel

20% OFF

\$25.02

Order Code  
94002102

MCSYF14A-E - RELAY SOCKET



- Nominal load voltage: 300V
- Dielectric strength: 2,000V/S
- Ambient temperature: -45°C to +65°C

40% OFF

\$3.47

Order Code  
281142402

DM1-03P-30-3 - MICROSWITCH



- Maximum contact resistance: 100mohm
- Operating temperature range: -25°C to +65°C
- Switching current of 1A at 125VAC

45% OFF

\$0.622

Order Code  
173536702

44087 - PCB TRANSFORMER



- Power rating ranges from 0.6VA to 30VA
- Available in 117VAC and 230VAC primary voltages
- Secondary voltage ranges from 6VAC to 2 x 24VAC

30% OFF

\$4.88

Order Code  
168904902

59165-1-S-00-A - PROXIMITY REED SENSOR



- Moulded stand-off to allow board washing
- Solder reflow capable
- No standby power requirement

30% OFF

\$1.97

Order Code  
554130002

THFU 5 - RETAINING CLIP



- Material: stainless steel
- Mounting type: snap-in
- Spring force: 25 N

20% OFF

\$2.78

Order Code  
189235402

V4NCT7 - MICROSWITCH



- Contact configuration is SPDT
- Switching capacity of 5A at 250VAC
- Dimension is 20mm x 10.3mm x 6.4mm

40% OFF

\$2.11

Order Code  
116260602

3300 - PID CONTROLLER



- PID autotune automatically matches PID setting to the application
- Bright LED 4 digit display configurable to °C/°F and engineering units with zero & span adjustments
- RS232 and 485 options for communication to PC or PLC

10% OFF

\$367.93

Order Code  
56511802

CRR05-1A - REED RELAY



- Internal magnetic shield standard
- TCE matching of all internal components
- 10<sup>14</sup>Ω (typical) Insulation resistance

30% OFF

\$7.78

Order Code  
144764302

EC11K0920401 - ROTARY ENCODER



- Single pole and single throw (push-on) contact arrangement
- 20mm actuator
- 100000 cycles operating life

10% OFF

\$6.17

Order Code  
206499402

50.12.9.024.1000 - SAFETY RELAY



- DPDT contact configuration
- High physical separation between adjacent contacts
- Cadmium free contact materials

40% OFF

\$17.12

Order Code  
132968102



**SRS2-113-D011-12 - SAFETY RELAY**



- Slim 2 pole relay with force guided relay according to type A of IEC/EN 61810-3 (EN50205)
- 1 form A (NO) + 1 form B (NC) contacts
- 28 x 6 x 15.5mm small size

30% OFF

**\$44.35**

Order Code  
**469733002**

**SW-505 - SWITCH**



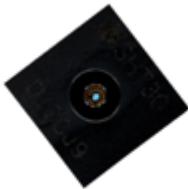
- Extended operating temperature range for use in harsh environments (-40°C to +80°C)
- Each ethernet port is galvanically isolated
- Broadcast storm protection

3% OFF

**\$133.85**

Order Code  
**272386302**

**SHT30-DIS-B - TEMPERATURE AND HUMIDITY SENSOR**



- Fully calibrated, linearised, and temperature compensated digital output
- Wide supply voltage range: 2.15V to 5.5V
- Typical accuracy of 1.5 %RH and 0.1 °C for SHT35

20% OFF

**\$3.14**

Order Code  
**261127502**

**FMTC-CU-M - THERMOCOUPLE CONNECTOR**



- All contacts are polarised to ensure correct connection
- Connectors will accept thermocouple cable up to 4mm in diameter
- Cable clamp available for securing cable to plugs

30% OFF

**\$4.86**

Order Code  
**721887402**

**G6K-2FY DC12 - SIGNAL RELAY**



- Low profile of 5.2mm improves mounting efficiency
- Consumes approximately 70% power of a conventional OMRON model and operates at current of 100mW
- DPDT contact configuration

10% OFF

**\$5.19**

Order Code  
**444624002**

**SM-LP-5001 - TELECOM TRANSFORMER**



- Subminiature in SMT
- Seated height: 7.36mm
- Distortion: 0.015%

20% OFF

**\$2.87**

Order Code  
**230914502**

**MP012945 - THERMAL CIRCUIT BREAKER**



- Current rating range: 3 Amps to 30 Amps
- Operating ambient temperature: -10°C to +60°C
- Input voltage rating: 125/250V AC; 32/50V DC

30% OFF

**\$3.74**

Order Code  
**424799302**

**67F070 - THERMOSTAT SWITCH**



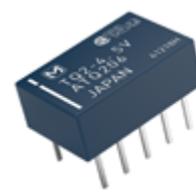
- Gold-plated contact
- Ideal for surface and air sensing on PC boards and heat sinks
- Up to 20000 life cycles at maximum standard amperage

3% OFF

**\$11.92**

Order Code  
**152470902**

**TQ2-24V - SIGNAL RELAY**



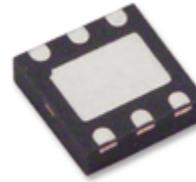
- 14mm x 9mm x 5mm dimension
- Maximum switching capacity of 1A at 110VDC, 125VAC
- DPDT contact configuration

30% OFF

**\$2.18**

Order Code  
**117571702**

**HTU21D - TEMPERATURE AND HUMIDITY SENSOR**



- Full interchange-ability with no calibration required in standard conditions
- Instantaneous de-saturation after long periods in saturation phase
- Compatible with automatised assembly processes, including Pb-free and reflow processes

20% OFF

**\$7.94**

Order Code  
**239353602**

**W57-XB1A4A10-15 - THERMAL CIRCUIT BREAKER**



- Button extends for visual trip indication
- Push button to reset breaker
- 6.35mm straight quick connect tab termination

30% OFF

**\$6.47**

Order Code  
**965919602**

**1MD6T1B5M1QE - TOGGLE SWITCH**



- Maximum contact resistance: 10mΩ
- Minimum insulation resistance: 1000MΩ
- Dielectric strength: 1000VRMS at sea level

45% OFF

**\$3.59**

Order Code  
**155018502**

**DC11.0001.001 - UN-FILTERED IEC POWER ENTRY MODULE**



- Connector type: IEC C14
- Current rating: 12A
- Voltage rating: 250VAC



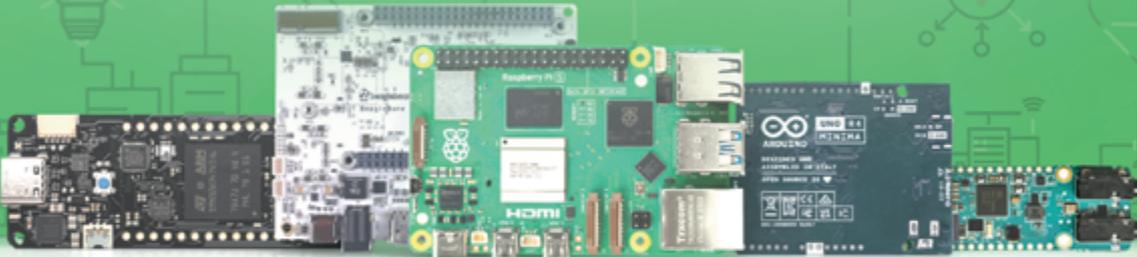
30% OFF

**\$12.31**

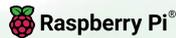
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**117680402**

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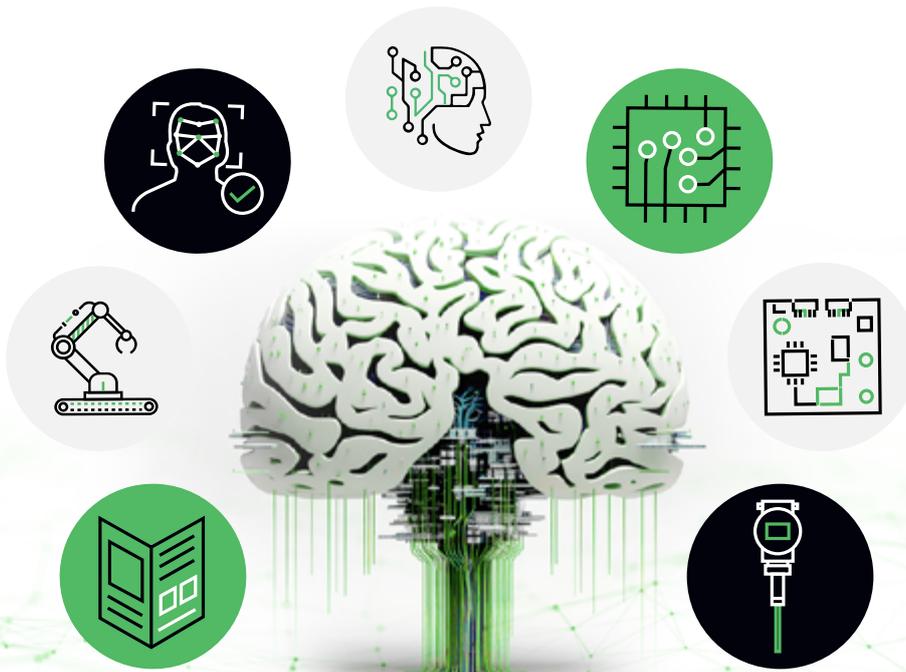


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# INDUSTRIAL AUTOMATION & CONTROL

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[au.element14.com/Connect52IAC](http://au.element14.com/Connect52IAC)

## RMA-21-SSV - AIR FLOWMETER



- 51mm scale, stainless steel valve
- Flowmeter range from 1-10LPM air
- Temperature limit of 130°F (54°C)

3% OFF

**\$128.57**

Order Code  
**426289102**



## MP011718 - BATTERY INDICATOR



- Lead acid storage battery indicator
- 10 LED segment of 1-red, 2-yellow and 7-green display
- Wide operating temperature range: -20°C to 75°C

20% OFF

**\$60.98**

Order Code  
**416920802**



## ZENL1121 - CONTACT BLOCK



- SPST-NC contact configuration
- Rated operational current 6A at 120V, AC-15, A600 conforming to EN/IEC 60947-5-1
- Screw clamp terminals

30% OFF

**\$20.42**

Order Code  
**372908402**

## MM28 - DC MOTOR



- Brushed DC motor type, 6VDC supply voltage
- 9600 RPM max rotational speed, 20g-cm max torque
- Operating range from 3VDC to 6VDC, 0.99A current (maximum efficiency)

30% OFF

**\$2.22**

Order Code  
**59912802**

## 9904-120-18105 - DC MOTOR



- Coreless rotor design for smooth, cog-free operation
- High-strength magnets for maximised performance
- Coreless design means no iron loss and higher efficiency compared to iron-core motors

10% OFF

**\$97.46**

Order Code  
**14787502**

## 84.02.0.024.0000 - DIN RAIL DIGITAL TIMER



- 2 changeover contacts 16A
- Two supply voltages available 12 to 24V AC/DC (non-polarised)
- Two independent start inputs - one per channel

20% OFF

**\$193.72**

Order Code  
**270737502**

## EM112DINAV01XS1X - ENERGY METER



- Class 1 (kWh) according to EN62053-21
- Class B (kWh) according to EN50470-3
- Energy measurement: kWh and kvarh (imported/exported); kWh+ by 2 tariffs

40% OFF

**\$258.36**

Order Code  
**267285802**

## EM340DINAV23X01X - ENERGY METER



- Digital input (for tariff management)
- Easy connection or wrong current direction detection
- Accuracy ±0.5% RDG (current/voltage)

30% OFF

**\$263.94**

Order Code  
**267286102**

## 19051253 - LED PANEL MOUNT INDICATOR



- Type: LED
- Size: M8
- Rating: 12V DC

20% OFF

**\$5.49**

Order Code  
**110529902**

## 19030253 - LED PANEL MOUNT INDICATOR



- Type: LED
- Size: M6
- Rating: 12V DC

30% OFF

**\$9**

Order Code  
**110521202**

## 19010053 - LED PANEL MOUNT INDICATOR



- Ambient temperature range: -20°C to 60°C
- Voltage tolerance: 10%

20% OFF

**\$5.40**

Order Code  
**136896202**

## AZM170-02ZRKA-24VAC/DC - LIMIT SWITCH



- Operations mechanical life: > 1000000
- Positive break travel: 11mm
- Protection rating: IP67

3% OFF

**\$321.72**

Order Code  
**189035802**

DC MOTOR, MINIATURE, BRUSHED, 3 V, 12400 RPM, 10 G-CM, 1.23 W, 20 MM

multicomp<sup>PRO</sup>



- Anti clockwise rotation
- 1.5 A at maximum efficiency, 0.4 A at no load
- Output watts: 1.23W

30% OFF

\$1

Order Code  
59910402

QSM-M7-6-I - PNEUMATIC FITTING

FESTO



- QSM mini size push-in fitting
- Optional mounting
- Push-pull principle

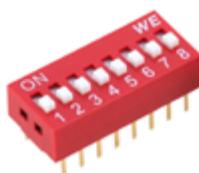
20% OFF

\$3.22

Order Code  
343214402

418117270901 - DIP / SIP SWITCH, 2.54MM, 1 CIRCUITS, RAISED SLIDE

WE WURTH ELEKTRONIK MORE THAN YOU EXPECT



- Contact voltage DC max 24V
- Product range: WS-DITV series
- Contact current DC max 25mA

5% OFF

\$1.30

Order Code  
380611202

RT114005 - GENERAL PURPOSE RELAY

TE



- PCB plug-in terminal type
- Monostable coil magnetic system
- Reinforced insulation

10% OFF

\$5.69

Order Code  
162903502

18400107 - PANEL MOUNT TIMER

CURTIS



- Sealed to IP65 from the front
- Simple connection
- 6 Digit LCD with 5mm characters

10% OFF

\$39.93

Order Code  
495423302

NPQH-L-G14-Q8-P10 - PNEUMATIC FITTING

FESTO



- NPQH standard size push-in L-fitting
- Type of seal on screw-in stud: sealing ring
- NSF C0523185 certificate issuing authority

30% OFF

\$8.11

Order Code  
343232202

750104 - SAFETY RELAY

PILZ THE SPIRIT OF SAFETY



- Positive guided relay outputs of 3 safety contacts (N/O), 1 auxiliary contact (N/C) instantaneous
- 1 semiconductor output
- Connector can be used to connect 1 PNOZsigma contact expander module

10% OFF

\$457.26

Order Code  
170448602

ZBE102 - CONTACT BLOCK

Life Is On | Schneider Electric



- SPST-NC contact configuration
- Rated operational current 6A at 120V, AC-15, A600 conforming to EN/IEC 60947-5-1
- Screw clamp terminals

45% OFF

\$15.74

Order Code  
305300302

17305870 - PANEL MOUNT TIMER

CURTIS



- Sealed to IP65 from the front
- Simple connection
- 6 Digit LCD with 5mm characters

10% OFF

\$38.05

Order Code  
495420802

METSEPM5110 - POWER METER

Life Is On | Schneider Electric



- Number of phases: 3 phase
- Energy meter mounting: Panel
- Supply voltage: 100VAC to 415VAC, 125VDC to 250VDC

40% OFF

\$818.32

Order Code  
283542102

DMS-20LCD-1-5-C - VOLTMETER

muRata P<sub>+</sub> Murata Power Solutions



- Low-battery annunciator
- Input voltage range: ±2V
- Aqua colour

5% OFF

\$56.24

Order Code  
133929502

LA1KN22 - CONTACT BLOCK

Life Is On | Schneider Electric



- 2NO + 2NC contact configuration
- Rated operational voltage of 690VAC
- Minimum switching current of 5mA at 17V

10% OFF

\$31.69

Order Code  
28863902

US-235 - ADAPTER



- IP50 rated non-conducting polyamide housing
- Industrial temperature range: -40°C to 80°C
- High retention USB connector to prevent accidental disconnections

brainboxes

3% OFF

\$100.07

Order Code  
247985602

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## RPI-TV-UHAT - ADD-ON BOARD



- Sony CXD2880 TV tuner
- Supported TV standards: DVB-T2, DVB-T
- Reception frequency: VHF III, UHF IV, UHF V

**\$33.60**

Order Code  
**294394302**

## 102991695 - CARRIER BOARD



- Perfectly suited design for Jetson Nano/Xavier NX/TX2 NX (260-pin SODIMM)
- Suitable for complicated AI graphical applications
- Power adapter included

**\$205.89**

Order Code  
**412647202**

## 110061362 - DEVELOPER KIT



- Pre-installed NVIDIA JetPack supports Jetson s/w stack and AI developer tools for AI applications
- Powered by type C 5V/3A, consuming as little as 5 watts.

**\$344.55**

Order Code  
**412647302**

## SEN0240 - EMG DRY ELECTRODE BOARD



- Metal dry electrode, long life, easy to use
- Differential input, high common mode rejection ratio
- Supply voltage range from +3.3V to 5.5V

**\$77.89**

Order Code  
**351788402**

## 104030003 - ARDUINO BOARD



- 8 adjustable luminance levels
- Dimension: 40mm x 20mm x 12mm

**\$10.24**

Order Code  
**400781102**

## SC1159 - CASE, RASPBERRY PI 5 MODEL B BOARDS

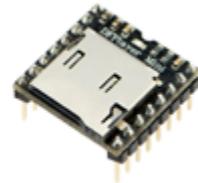


- Integrated, temperature-controlled cooling fan that connects to the fan connector on Raspberry Pi 5
- 12mm x 17mm x 4mm heatsink with self-adhesive pad improves heat transfer from the processor

**\$15.77**

Order Code  
**426304702**

## DFR0299 - DFPLAYER MODULE

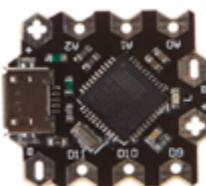


- Supported sampling rates are 8/11.025/12/16/22.05/24/32/44.1/48KHz
- 24bit DAC output, support for dynamic range 90dB, SNR support 85dB
- Fully supports FAT16, FAT32 file system, maximum support 32G of the TF card

**\$9.29**

Order Code  
**351786602**

## DFR0282 - EVALUATION BOARD



- 20mm X 22mm compact size
- Direct downloading and testing via Micro USB
- Two honeycomb shape gold plated power interface

**\$14.01**

Order Code  
**351787202**

## 110990028 - CABLE, FEMALE JUMPER TO CONVERSION



- High quality copper wires
- Easy to use connectors
- Grove side uses buckled connector (JST style 2.0mm pitch)

**\$6.40**

Order Code  
**393213202**

## RPI NOIR CAMERA BOARD - DAUGHTER BOARD



- 8 megapixel camera capable of taking infrared photographs of 3280x2464 pixels
- Capture video at 1080p30, 720p60 and 640x480p90 resolutions
- All software is supported within the latest version of Raspbian operating system

**\$18.93**

Order Code  
**367784602**

## SEN0305 - EMBEDDED MODULE



- Kendryte K210 processor
- OV2640 (2.0Megapixel camera) image sensor
- Supply voltage from 3.3 to 5.0V

**\$54.92**

Order Code  
**351786302**

## DFR0478 - IOT MICROCONTROLLER BOARD



- Compatible with products in the DFRobot FireBeetle serials
- Low power consumption (the electricity current under ultra low power is 10µA)
- Quick response (the top frequency is 400KHz)

**\$14.10**

Order Code  
**351788102**

**ABX00083 - NANO FORM FACTOR BOARD**



- Nano form factor, board's compact size makes it perfect for embedding in standalone projects
- Harness power of ESP32-S3 MCU, IoT realm, W/ full Arduino support for wireless, BLE connectivity
- Arduino and MicroPython support

**\$31.25**

Order Code  
**420854602**

**RASPBERRY-PI 5 2G - RASPBERRY PI 5 BOARD**



- System on chip Broadcom BCM2712, 2.4GHz quadcore 64-bit ARM Cortex-A76 with 512KB L2 caches and a 2MB shared L3 cache
- 2GB LPDDR4X-4267 SDRAM
- Dual 4K 60Hz HDMI display output with HDR support

**\$102.51**

Order Code  
**453108702**

**SC0873 - RASPBERRY PI NOIR CAMERA MODULE 3**



- Sensor size: 7.4mm sensor diagonal, pixel size: 1.4x1.4µm and horizontal/vertical: 4608x2592 pixels
- RAW10 output
- Phase detection autofocus system

**\$39.42**

Order Code  
**413231902**

**113991054 - SBC**



- Powerful ESP32-C3 SoC and U.FL antenna provided that supports WiFi/Bluetooth connection over 100m
- 21 x 17.5mm overall dimension, portable and lightweight
- Supports battery charging, great for various wearable scenarios and wireless IoT applications

**\$7.86**

Order Code  
**406037902**

**SC0624 - POWER SUPPLY UNIT**



- Officially licensed power supply with Raspberry Pi logo & captive micro USB cable
- 110-240V AC Input (rated)
- 5.1V DC, 2.5A Output

**\$12.62**

Order Code  
**383850202**

**CM4104000 - RASPBERRY PI COMPUTE MODULE 4 LITE**



- Features 4GB RAM, 0GB (Lite) eMMC storage and wireless connectivity
- Broadcom BCM2711, quad core Cortex-A72 (ARM v8) 64-bit SoC at 1.5GHz
- H.265 (HEVC) (upto 4Kp60 decode), H.264 (upto 1080p60 decode, 1080p30 encode), OpenGL ES 3.0 graphics

**\$110.39**

Order Code  
**356348702**

**MEFV22G - SBC**



- micro:bit works with Microsoft, MacOS, Apple iPads (and iPhones) and Android devices
- Computing is made physical
- Use the micro:bit to sense, measure and log light, temperature, sound, movement, magnetism

**5% OFF**

**\$27.08**

Order Code  
**384734202**

**101020010 - SENSOR MODULE**



- 3.3V / 5V compatible, wide voltage level: 3.2V-5.2V
- Only 3 pins needed, save I/O resources
- Wide measurement range: 3cm to 350cm

**\$6.23**

Order Code  
**393213002**

**114991178 - PRESSURE TRANSMITTER**



- Compact, easy to install high sealing performance
- High quality hall effect sensor
- Working voltage is 5±0.5VDC, working current is ≤10mA (DC 5V)

**\$20.30**

Order Code  
**420018802**

**SC0940 - RASPBERRY PI MONITOR**



- IPS LCD with anti-glare coating panel type
- 1920 x 1080 display resolution and 250 nits brightness (typical)
- Connectivity: standard HDMI port (1.4 compliant), 3.5mm stereo headphone jack, USB-C (power in)

**\$157.70**

Order Code  
**456868802**

**DFR0418 - SBC**



- Intel Cherry trail Z8350 quad core processor
- Base frequency: 1.44GHz (1.92GHz burst frequency)
- GPU: Intel HD graphics, 12 EUs at 200-500MHz, single-channel memory

**\$212.39**

Order Code  
**294613402**

**102991698 - SINGLE BOARD COMPUTER**



- T-Head TH1520 (quad-core Xuantie C910 processor) processor
- 4GB LPDDR4 RAM and 16GB on-board eMMC flash
- 50GFLOPS, 3Mpixel/s imagination BXM-4-64 graphics processing unit (GPU)

**\$221.70**

Order Code  
**420545702**

**114991193 - USB TO CAN ANALYSER ADAPTER**



- Optimised the conversion protocol, improved conversion efficiency
- Saving the customised settings automatically
- Customised receiving ID, easy to debug



**\$39.18**

Order Code  
**393209102**

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## ACCTRITOB308-T000 - TRIMMER ADJUSTMENT TOOL



The DNA of tech.

- Extended as well as recessed blade for critical adjustments
- Designed to adjust trimmers of all sizes
- Glass filled nylon body with corrosion resistant stainless steel blades



40% OFF

**\$7.22**

Order Code  
**14550702**

## FM0H104ZF - SUPERCAPACITOR



- Capacitance is 0.1µF
- 5.5V DC maximum operating voltage
- Highly reliable against liquid leakage



40% OFF

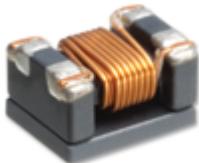
**\$2.90**

Order Code  
**270891502**

## ACP3225-102-2P-T000 - COMMON MODE FILTER



- Chip filter for DC power supply lines
- Can reduce power consumption and improve EMC suppression
- Compatible with high-density portable devices



30% OFF

**\$0.93**

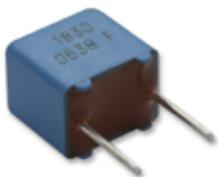
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**247855102**

## KP1830210631 - POWER FILM CAPACITOR



The DNA of tech.

- UL94V-0 flame-retardant epoxy resin sealed plastic case encapsulation
- High insulation resistance
- Excellent current carrying



45% OFF

**\$14.85**

Order Code  
**141394802**

## GJM1555C1HR80WB01D - CAPACITOR



INNOVATOR IN ELECTRONICS

- Mainly ideal for mobile communication devices and temperature compensation of related modules
- High Q and low ESR in VHF, UHF and microwave frequency bands
- Can be used for tight tolerance



45% OFF

**\$0.58**

Order Code  
**278144802**

## C1608X5R1A226M080AC - SMD MULTILAYER CERAMIC CAPACITOR



- Capacitance value: 22 µF
- Capacitance tolerance: ±20%
- Case size: 0603 (1608 metric)



30% OFF

**\$2.04**

Order Code  
**252509102**

## ERA3ARW103V - SMD CHIP RESISTOR



INDUSTRY

- High accuracy (low resistance tolerance and temperature coefficient of resistance)
- High performance (low current noise, excellent linearity)
- Operating temperature range: -55°C to 155°C



10% OFF

**\$5.13**

Order Code  
**168847202**

## MBE04140C1000FC100 - THROUGH HOLE RESISTOR



The DNA of tech.

- CECC version (IECQ-CECC approved according to EN 140101-806)
- Excellent overall stability: class 0.25



45% OFF

**\$0.59**

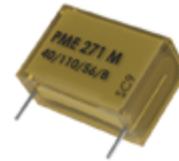
Order Code  
**354708402**

## PME271MA4680MR30 - SAFETY CAPACITOR



KEMET

- Approvals: ENEC, UL, cUL / Rated voltage: 275 VAC 50/60 Hz
- Capacitance range: 0.001 - 0.6 µF / Capacitance tolerance: M = ±20% (for C ≤ 0.1 µF), K = ±10% (for C > 0.1 µF) / Lead spacing: 10.2 - 25.4 mm



30% OFF

**\$1.48**

Order Code  
**291376402**

## ABL-8.000MHZ-B2 - CRYSTAL



- Ageing ±5ppm per year (maximum)
- 500MΩ insulation resistance
- AT-cut fundamental mode



30% OFF

**\$1.83**

Order Code  
**246771202**

## BNX025H01L - NOISE FILTER



INNOVATOR IN ELECTRONICS

- REACH compliant
- High-attenuation
- 35dB minimum insertion loss at 50kHz to 1GHz



40% OFF

**\$5.68**

Order Code  
**249414202**

## B66308B1108T001 - TRANSFORMER COIL FORMER



- UL94V-0 insulation class to IEC 60085
- Horizontal magnetic axis
- Operating temperature: 155°C



30% OFF

**\$2.02**

Order Code  
**235507402**

# WIRED FOR PROGRESS: CONNECTING IDEAS, POWERING POSSIBILITIES

**Author:**  
element14 Technical  
Marketing Team

## Wired for Progress: Empowering Embedded Design

Engineers are shaping the future, and 'Wired for Progress' brings together the latest insights, project ideas, and methodological advances in embedded system development, ensuring every reader is equipped to connect ideas and power new possibilities in technology.

An effective embedded design process is central to successful product engineering. As hardware and software continue to increase, modern development kits are indispensable tools for engineers, accelerating prototyping and enabling scalable production-ready solutions. Engineers purchasing development kits value the software provided, and they actively seek kits that align with their application. Selecting optimal microcontroller platforms and integrating key components like sensors, PCBs, power supplies, and communication modules creates a robust foundation for innovation.

## Beyond Prototyping: How Development Kits Are Reshaping Product Design

Development kits, once seen as just a springboard for proof-of-concept, are now redefining how engineers bring complex products to life, faster and smarter. They have evolved from basic prototyping tools into full-featured platforms that accelerate product innovation across industries. Whether you're designing for industrial automation, smart home, medical, or automotive markets, today's dev kits empower engineers to go beyond proof-of-concept, enabling rapid testing, scalable development, and seamless integration with real-world systems.

The design journey encompasses several critical phases, including requirement analysis, system architecture, prototyping, firmware integration, testing and compliance, iterative development, deployment and production, and support and maintenance.

## Choosing the Right Development Kit

Development boards are essential tools for engineers and makers, facilitating the efficient utilisation and testing of cutting-edge technologies in IoT projects. They serve as critical building blocks for prototyping, experimentation, and the development of

innovative solutions that extend beyond traditional technology boundaries. These boards include firmware and provide access to exposed essential hardware, along with accessible input/output (I/O) pins, allowing for customisation and interaction. Users can build custom circuitry and modify firmware according to their product specifications, enhancing the versatility and functionality of their projects.

Common communication protocols supported on most of the development kits include the Inter-Integrated Circuit (I2C) protocol, which sends data in packets over short distances. Another is the Serial Peripheral Interface (SPI) protocol, used for short-distance communication but sends a stream of data continuously rather than sending packets. Various wireless technologies available for interconnecting IoT devices with the internet. Among the most commonly used are Wi-Fi, Bluetooth (BLE), Infrared (IR), Zigbee, Near Field Communication (NFC), Radio Frequency Identification (RFID) and Satellite communication (GSM, GPRS / GSM, 3G, 4G / LTE, 5G, and others). The choice of technology depends on factors such as range requirements, data rates, power consumption, cost, and specific application needs.

## Development Kit Headquarters (DevKit HQ) - One-Stop Space for Embedded Evaluation Boards, Development Kits, and SBCs



element14 has launched its DevKit HQ, a new and unique online resource that brings together evaluation boards, development kits, tools and technical documents in one place. It provides a single destination to discover, compare and select application and technology solutions from leading semiconductor and hardware suppliers. The site emphasizes modular, configurable products with standard interfaces, while also offering overviews of featured development kits, datasheets, application notes, reference

designs as well as additional design resources. These resources help engineers accelerate design decisions and innovation across various applications, including AI, IoT, sensors, wireless, motor control, and power management.

The portal features a user-friendly interface that enables users to search and explore an extensive selection of development kits, with particular focus on offerings from notable manufacturers such as Analog Devices, AMD, Arduino, Beagleboard, Infineon, Microchip, NXP, Raspberry Pi, Renesas, STMicroelectronics and more, for AI/ML, IoT, sensors, wireless, motor control, and power management. Making it easy to discover, compare, and accelerate your embedded design and innovation.

Key benefits of using DevKitHQ include accelerated development cycles, simplified component selection, reduced design complexity and risk, access to resources, shorter time to market, and cost efficiency.

## From Concept to Production

- a. STMicroelectronics provides a comprehensive embedded development ecosystem focused on the STM32 and STM32MP1 platforms. This ecosystem supports a wide range of applications, including ultra-low-power wearables, industrial AI solutions, and connected edge nodes. The development kits offered by ST merge high performance with flexibility while ensuring strong software support for developers.



### STM32 Range

STM32 Nucleo Boards, STM32 Discovery Kits, STM32H7 and STM32H5 Series, STM32U5 Series, STM32MP1 MPU Series.



- b. NXP Semiconductors provides a comprehensive range of development kits designed for multiple applications, including edge artificial intelligence (AI) and real-time industrial automation. Their offerings range from high-performance application processors to energy-efficient microcontrollers (MCUs), facilitating various edge processing and secure control solutions on scalable platforms.



### NXP i.MX, MCX and Freedom Platform Range

i.MX 8M Plus EVK, i.MX 9 EVK, i.MX RT1060 EVK, MCX N Series Kits, Freedom Development Platforms



- c. Microchip Technology Inc. provides a variety of development kits for its SAM, AVR, PIC, and dsPIC families, supported by tools such as MPLAB X IDE, Harmony Framework, and Atmel START. These kits facilitate rapid prototyping and offer ongoing support across automotive, industrial, and IoT sectors.



### Microchip Curiosity, AVR and SAM Range

Curiosity Nano Boards, SAM E70 and S70 Xplained Kits, dsPIC33CH Curiosity Development Board, AVR-IoT Cellular and Wi-Fi Dev Boards, PIC32MX and PIC32MZ Curiosity Boards



- d. AMD's embedded development platforms provide exceptional performance for real-time AI, machine vision, and control applications. Following its acquisition of Xilinx, AMD now

offers the Versal™, Kria™, and Zynq UltraScale+™ families, which combine programmable logic with ARM-based processing.



### Platforms include

Kria KV260 Vision AI Starter Kit, Versal AI Edge Kits, Zynq UltraScale+ MPSoC Kits, Ryzen Embedded V3000



- e. Raspberry Pi has evolved from a hobbyist platform to an industrial automation and edge computing foundation, exemplified by its Compute Module 5 (CM5), Raspberry Pi 5 and Pico 2, which provide scalable, production-ready hardware with long-term availability, extensive I/O options, and strong community support.



### Raspberry Pi Full Ecosystem

Raspberry Pi 5 and Pico 2, which provide scalable, production-ready hardware with long-term availability, extensive I/O options, and strong community support



- f. Arduino's ecosystem has expanded to include professional-grade development platforms such as Portenta, Nicla, and MKR. These combine the user-friendly Arduino IDE with robust industrial features, making them suitable for applications in logistics, environmental sensing, and edge computing.



### Arduino Portenta, MKR and Nano Range

Arduino's ecosystem has expanded to include professional-grade development platforms such as Portenta, Nicla, and MKR.



## Conclusion

The collaboration between hardware and software is crucial as embedded systems evolve, fostering intelligent and efficient technology to drive future innovation, aligning with the theme "Wired for Progress." Development kits serve as comprehensive ecosystems rather than just prototyping tools, facilitating scalable and high-performance solutions across various sectors like AI, IoT, and edge computing. Resources such as DevKit HQ provide access to advanced technology, simplifying complexity and accelerating time-to-market.

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[au.element14.com/Connect52ToolsandProduction](http://au.element14.com/Connect52ToolsandProduction)

## MC002550 - 3D PRINTER FILAMENT

**multicomp** PRO



- Robust printing results with good glossiness
- No cracking or wiredrawing problems
- Print temperature: 205°C to 225°C

30% OFF

**\$27.98**

Order Code  
284549702

## 744 WHITE 310ML - SEALANT, SILICONE RTV



- Supplied 310ml volume in cartridge dispenser
- Non-flowing and room temp cure, no ovens required

40% OFF

**\$28.29**

Order Code  
52183802

## 066-0055 - ANTI STATIC WRIST STRAP

**multicomp** PRO



- Light blue band of economy type, comfortable wearing, adjustable to fit any size of wrist
- High quality conductive interior made of stainless steel nylon filament
- Outer side process with non-conductive nylon yarn

45% OFF

**\$9.14**

Order Code  
150319102

## 250-CF - COMBINED FILTER



- Pleated glass fibre filter media material
- Zinc plated steel case, sealed with polyurethane sealant
- Neoprene gasket connection

10% OFF

**\$286.34**

Order Code  
111771202

## CR-10S PRO - 3D PRINTER

**CREALITY**



- Quickly heating up, resume printing, double gear extrusion
- High precision printing, colourful touch screen, filament detection
- Printing size is 300 x 300 x 400mm

10% OFF

**\$904.09**

Order Code  
294549002

## CW2400 - ADHESIVE



- CircuitWorks conductive epoxy adhesive and hardener 7g each (0.25oz) syringe in blister pack
- Mixed material provides five minute work time, fast cure
- Repairs defective traces and creates jumpers on boards

20% OFF

**\$169.47**

Order Code  
60405702

## 729 - BUMPER / FEET



- The 729 is a black screw mounting Recessed Bumper made of Buna-S EPDN thermoplastic body
- It provides excellent traction and shock absorbing qualities
- It features round bumper/feet style and #8 screw size

30% OFF

**\$1.62**

Order Code  
290916202

## KADPMNL - CONNECTOR ACCESSORY



- D universal adaptor
- TUK D universal series XLR connectors

30% OFF

**\$2.80**

Order Code  
253456602

## 071.35.444 - ABSORBER



- 55-57° grade of hardness
- M4 thread
- Length: 10mm

40% OFF

**\$2.34**

Order Code  
146699702

## 33-10915. - ANTENNA MOUNT



- 38" mast height
- Weight (kg): 1.88
- Diameter: 42 mm

30% OFF

**\$17.52**

Order Code  
278223602

## G312 - CABLE STRIPPING TOOL FOR COAXIAL CABLES



- Stripping capacity metric - 4mm to 10mm
- For use with RG6, RG58 & RG59 Coaxial Cables

30% OFF

**\$8.33**

Order Code  
145428202

## KADSCRf - CONNECTOR ACCESSORY



- 10mm overall length
- 8mm thread length
- Flat head

30% OFF

**\$3.42**

Order Code  
253456702

MP008310 - CUTTING MAT

**multicomp**<sup>PRO</sup>



- Self-healing cutting mat
- Polyvinyl chloride material, rectangular shape
- A3 (300mm x 450mm x 3mm) size

30% OFF

**\$5.67**

Order Code  
**379856802**

2608577352 - DRILL BIT SET

**BOSCH**



- Fast drilling rate for professionals thanks to new design
- Self-centering 'PointTeQ' drill bit enables simple and fast drilling
- Reduced friction and quick chip removal thanks to flute with oxide coating

20% OFF

**\$52.46**

Order Code  
**349824202**

2965-5BK - ETHERNET CABLE

**VIDEK**  
Network Systems & IT Solutions



- 50µ Gold RJ45 plugs
- To reduce crosstalk, short-bodied connectors maintain speed and data integrity
- Molded design suitable for advanced and new build networks

20% OFF

**\$8.66**

Order Code  
**152561102**

S5017 - HALF-BENT SCRIBER

**DURATOOL**



- Heat-treated high carbon needle steel points
- Straight and 90° angle points

40% OFF

**\$4.09**

Order Code  
**312803902**

MP012475 - DIGITAL CALIPER

**multicomp**<sup>PRO</sup>



- Quality stainless steel frame
- LCD 4-way measurement
- 0.01mm graduation

10% OFF

**\$46.06**

Order Code  
**422914202**

PPC215 - ESD TAPE

**PRO POWER**



- Polyimide film antistatic ESD tape with polyimide substrate
- American Dow corning silicone adhesive premier coating
- Heat resistance

30% OFF

**\$45.69**

Order Code  
**206129302**

PS11042 - ETHERNET CABLE

**PRO SIGNAL**



- Cable length - metric: 2m
- Cable length - imperial: 6.6ft
- Jacket colour: red

30% OFF

**\$3.02**

Order Code  
**173490702**

WLACCHM-02 - HELPING HAND, 4 MAGNETIC ARM

**Weller**



- 4x magnetic gooseneck arms with crocodile clips secured to the base for multiple configurations
- Easily reposition the magnetic gooseneck arms to hold your project for improved precision and flexibility

10% OFF

**\$76.40**

Order Code  
**357935602**

914125-DHUV - DISPENSING TIP

**METCAL**



- 14 gauge, 32mm length
- Standard tips moulded in high-density polyethylene with UV light-block additive
- Rigid tips in opaque colours - provides total protection from premature curing by UV/visible light

10% OFF

**\$51.67**

Order Code  
**248453402**

PSG90791 - ETHERNET CABLE

**PRO SIGNAL**



- Screened shielded twisted pair (SSTP), 26 AWG
- Stranded, snagless design
- Low smoke, zero halogen

30% OFF

**\$2.58**

Order Code  
**257548802**

MCP2012/3D/FL - FINISHING TOOL KIT

**multicomp**<sup>PRO</sup>



- Essential tools for 3D printed models
- Easily remove supports and stringing
- Clean, rough edges and blemishes

30% OFF

**\$28.99**

Order Code  
**425956002**

MP013781 - HEX KEY SET

**multicomp**<sup>PRO</sup>



- Dimensions: 1.5-2-2.5-3-4-5-6-8-10mm
- Product size: 122mm x 65mm x 20mm
- Product weight: 252g

40% OFF

**\$3.38**

Order Code  
**437810302**

MP013565-EU- HEAT GUN, MINI, STICK, 240V



- Rated input: 220-240V 50/60Hz
- Rated power: 500W
- Heat setting I: 300°C 100L/min

**multicomp**<sup>PRO</sup>

20% OFF

**\$26.59**

Order Code  
**430552902**

10-2J12.1062 - LAMP, LED



- 7/14mA, 24VAC/DC rating
- 630nm dominant wavelength

45% OFF

\$15.25

Order Code  
229347502

7100262488 - MIXING NOZZLE



- Provides thorough mixing and precise placement of two-component structural adhesives
- Tapered tip can be cut for bead size
- Minimise adhesive waste

30% OFF

\$2.93

Order Code  
326693102

MP010944 - SOCKET BIT SET



- 37 pieces 1/4"DR drive socket and bit set
- Bit material is S2
- Socket material is chrome vanadium steel

40% OFF

\$64.66

Order Code  
407782302

ST4200USBM - USB HUB



- Compact design with wall or DIN rail mounting
- Easily add additional USB ports to rack-mounted equipment
- Powered by USB bus or external three-wire terminal block with support for 7-24V DC input

20% OFF

\$153.35

Order Code  
349851602

D01688 - LEAD FREE SOLDER WIRE, 1.2MM, 500G



- High activity rosin flux
- Complies with RoHS lead-free requirements

40% OFF

\$78.94

Order Code  
326220802

EUROPLUS FLEX 37-15 - MULTI-COMPARTMENT BOX



- Organised, secure assorting due to the locking knobs in the lid
- Safe and secure, locking knobs prevent insert bins from shifting
- Useful, scale insert with cm/inch

30% OFF

\$20.20

Order Code  
273212402

X 39 60EN 2C 0.7MM R 250G - SOLDER WIRE



- No clean
- Low residue
- Eliminates the cost of cleaning

30% OFF

\$39.30

Order Code  
28984002

D03413 - WEIGHING SCALE



- Backlit, LCD display
- g, oz, ml unit measurement
- Tare function

20% OFF

\$18.49

Order Code  
357356002

M36PRSTEXZ100 - MACHINE SCREW



- Ensures that screw and washer always match
- 6mm screw length

20% OFF

\$9.14

Order Code  
75853002

732 CLEAR 90ML - SEALANT



- Supplied as 90ml in tube and transparent in colour
- One-component adhesive/sealant
- Cures at room temperature when exposed to moisture in the air

40% OFF

\$13.77

Order Code  
228962802

33-553 - TAPE MEASURE



- 3 Rivet end hook for long life
- 25mm x 5m
- Micro PowerLock

10% OFF

\$27.38

Order Code  
169668402

6PK-223-F - WIRE STRIPPER & CUTTER



- Hardened with ground blades
- Up to 10AWG (0.5mm<sup>2</sup>)
- Adjustable screw top for different wire sizes and cushion grips

30% OFF

\$6.15

Order Code  
312561002

MP009732 - WIRE STRIPPER



- Making body: Injection molding
- Shape of cutting edge: Cross cut
- Color of body: Black, Red

40% OFF

\$25.54

Order Code  
397216502

multicomp PRO

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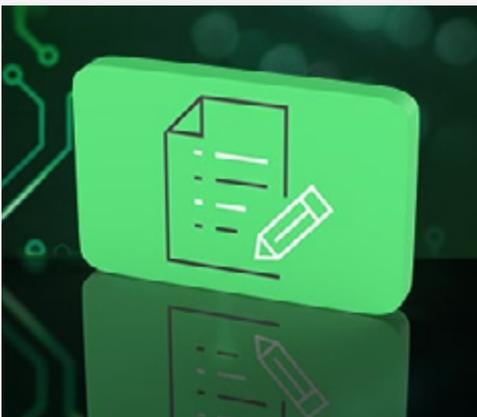


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## MA 1 - ALLIGATOR CLIP



- Nickel plated brass jaws
- Clamping range is 4mm
- Rated voltage: 30VAC / 60VDC

40% OFF

**\$5.14**

Order Code  
**49614502**

## 972355101 - BANANA TEST CONNECTOR



- 4 mm safety system
- Sockets
- AC/DC 1000 V rated voltage (1)

40% OFF

**\$3.62**

Order Code  
**101140802**

## 24.247.1 - BANANA TEST CONNECTOR



- Overall length is 22.8mm
- 4mm Panel-mount Socket
- Rated voltage/current: 30V AC ~ 60V DC/ 24A Max.

40% OFF

**\$0.287**

Order Code  
**169895002**

## MP770809 - BANANA TEST LEAD



- Banana test lead
- 4mm stackable banana plug to 4mm stackable banana plug
- Red colour test lead

40% OFF

**\$5.24**

Order Code  
**370364602**

## 23.0050-22 - BANANA TEST CONNECTOR



- Can be screw-mounted in predrilled panels
- 60V voltage rating
- Gold plated contacts: Red

30% OFF

**\$35.15**

Order Code  
**108546602**

## A-1.126.N.R - BANANA TEST CONNECTOR



- 16A rated current
- Overall length is 56.5mm
- Voltage rating of 30VAC

40% OFF

**\$0.61**

Order Code  
**169896902**

## 972355104 - BANANA TEST CONNECTOR



- 4 mm safety system
- AC/DC 1000 V rated voltage (1)
- Current rating: 25A

40% OFF

**\$3.71**

Order Code  
**101141102**

## MP710503 - BENCH POWER SUPPLY



- Complete digital control
- 10mV/1mA resolution
- Low noise and ripple

30% OFF

**\$138.81**

Order Code  
**341052602**

## 108-0903-001 - BANANA TEST CONNECTOR



- Bright tin finish
- Nickel-plated nut hardware
- 0.010 ohms maximum contact resistance

30% OFF

**\$1.76**

Order Code  
**165471402**

## 972355100 - BANANA TEST CONNECTOR



- 4 mm safety system
- PA housing material
- AC/DC 1000 V rated voltage (1)

40% OFF

**\$3.66**

Order Code  
**101140702**

## 23.3060-21 - BANANA TEST CONNECTOR



- Gold plated machined brass contacts
- CAT III measurement category
- 6.3mm x 0.8mm flat connecting tab connection

30% OFF

**\$21.57**

Order Code  
**108546002**

## MP760990 - CLAMP METER



- Measurement interface of automatic signal identification will be displayed once powered on
- Dual-display function and display voltage/current, voltage/frequency, current/ frequency
- Large capacitance measurement (100mF)

5% OFF

**\$50.49**

Order Code  
**416351402**

**P19-4021 - CONTACT, CONNECTOR**



- PC tail/through board mating pin size
- Vertical connector orientation
- Operating temperature range: -40 to 85°C

**30% OFF**  
**\$4.16**

Order Code  
**996018002**

**P50-H-120-G - CONTACT, CONNECTOR**



- 120g spring pressure
- 2.65mm full travel
- 3A current rating

**30% OFF**  
**\$1.06**

Order Code  
**156826102**

**P25-0126 - CONTACT, SPRING PROBE**



- 3A current rating
- Vertical connector orientation
- 260°C for 10 seconds maximum soldering temperature

**30% OFF**  
**\$4.24**

Order Code  
**322589402**

**930126101 - CROCODILE CLIP**



- 4 mm system
- Crocodile clips
- Unsprung socket 4 mm connection

**30% OFF**  
**\$2.91**

Order Code  
**828186602**

**BU-60S - CROCODILE CLIP**



- 10A current rating
- Jaw opening range from .09 to .43IN
- Crimp/solder/banana jack, screw wire connection

**30% OFF**  
**\$0.90**

Order Code  
**283408902**

**930317801 - CROCODILE CLIP**



- 2 mm system
- Crocodile clips
- 2 mm socket connection

**30% OFF**  
**\$2.24**

Order Code  
**101142102**

**72-7780 - DIGITAL MULTIMETER**



- CAT III 600V safety rating
- 10 measurement functions
- Manual selection with auto ranging

**20% OFF**  
**\$77.74**

Order Code  
**245066202**

**ESR70 - ESR METER**



- Measures capacitance and ESR
- Automatically starts analysis when the ESR70 is connected
- Audible alerts with different tones for various ESR levels

**10% OFF**  
**\$176**

Order Code  
**291787802**

**MP751059 - FUNCTION / ARBITRARY GENERATOR**



- Max 35MHz frequency output and 300MSa/s sample rate
- 14 bits vertical resolution, vertical resolution 1µHz
- 8K waveform length

**20% OFF**  
**\$240.60**

Order Code  
**429784702**

**MP780966 - SOLAR POWER METER**



- Sunlight measurement up to 1999w/m<sup>2</sup> or 634BTU/(ft<sup>2</sup> x h)
- High accuracy and rapid response
- Data HOLD function to hold measurement values

**30% OFF**  
**\$62.34**

Order Code  
**406247702**

**MT-8200-60-KIT - LAN TONER, TRACER AND PROBE KIT**



- Locates cables safely and effectively on active networks
- Verifies twisted pair installation with end to end continuity test
- IntelliTone™ digital toning eliminates noise and false signals

**\$540**

Order Code  
**247213402**

**MP780997 - LASER DISTANCE METER**



- Real-time readout, quick, self calibration
- Horizontal/vertical leveller, max/min/area measurement
- Ergonomic exterior, comfortable handling

**30% OFF**  
**\$40.47**

Order Code  
**417900202**

**LCR45 - LCR METER**



- Fluid measurements of L, C and R (continuous readings with selectable hold function)
- Fine resolution for improved performance at low inductance/capacitance/resistance
- Auto and manual component type



**5% OFF**  
**\$193.07**

Order Code  
**291787902**

**MP780770 - NON-CONTACT AC VOLTAGE AND MAGNETIC FIELD DETECTOR**

**multicomp** PRO



- AC voltage (low): 24V~1000V
- AC voltage (high): 90V~1000V
- Frequency range: 50/60Hz

**30% OFF**

**\$24.76**

Order Code  
**367697802**

**20-313138 - PCB TEST POINT**

**VERO** TECHNOLOGIES



- Compliant pin design allows terminal to be inserted without damaging hole plating
- Terminal will remain in place even when the board is inverted for soldering
- Borosilicate sintered glass bead

**40% OFF**

**\$17.51**

Order Code  
**873116002**

**BNCL2.0MRG58 - RF / COAXIAL CABLE ASSEMBLY RG58**

**MH** CONNECTORS



- 50Ω impedance
- BNC Plug to BNC Plug
- 50 ohm, 6.6 ft, 2 m, Black

**20% OFF**

**\$13.99**

Order Code  
**315349602**

**72-14565 - TEST ACCESSORY**

**TENMA**



- K-Type Thermocouple Adaptor
- Converts the K-type plug to dual, 3.8mm banana plug inputs

**20% OFF**

**\$0.89**

Order Code  
**347918602**

**MP770209 - OSCILLOSCOPE PROBE**

**multicomp** PRO



- Maximum input voltage: <lt/>200V peak (1x), <lt/>600V peak (10x)
- Supplied with measuring tip, marker rings, electrical ground contact, IC tip, ground lead, spring hook contact and adjustment tool

**20% OFF**

**\$35.57**

Order Code  
**326502602**

**TEST-1(Y) - PCB TEST POINT**

**multicomp**



- Phosphor bronze gold plated.
- PCB test point, pin, Colour coded through-hole PCB test pins, yellow, through hole mount.
- Mounting hole dia - 3.2mm

**30% OFF**

**\$9.88**

Order Code  
**170200102**

**011-1409-041609 - TERMINAL**

**cannon**



- 2000V Peak voltage rating
- Length - Below Flange - 3.94mm
- Overall Length - 17.55mm

**20% OFF**

**\$5.92**

Order Code  
**134779802**

**BU-27 - TEST CLIP, STEEL, ZINC PLATED, 16 MM, 20 A**

**MUELLER**



- Length: 61mm
- Jaw Opening Max 16mm
- Product Range: BU-27 Series

**30% OFF**

**\$1.81**

Order Code  
**283406802**

**PICOSCOPE 2204A-D2 - PC USB OSCILLOSCOPE**

**pico** Technology



- Built-in arbitrary waveform generator
- 8KS capture memory, 100KHz AWG bandwidth, 35ns rise time
- USB-connected and powered

**0% OFF**

**\$220.50**

Order Code  
**243291402**

**SMOX060B1LPHT.R3K - PCB TEST POINT**

**OXLEY**



- Low contact resistance
- Unique retention mechanism

**30% OFF**

**\$0.96**

Order Code  
**339252602**

**973600100 - TEST ACCESSORY**

**HIRSCHMANN** TEST & MEASUREMENT



- 2 mm system
- Plugs
- 30 VAC / 60 VDC rated voltage (1)

**40% OFF**

**\$2.77**

Order Code  
**209852302**

**930224100 - TEST JACK**

**HIRSCHMANN** TEST & MEASUREMENT



- 2 mm system
- O (3) measurement cat. acc. to IEC 61010
- Solder connection

**40% OFF**

**\$4.66**

Order Code  
**49716202**

**MP770516 - TEST LEAD KIT**



- Test leads :- CATIII 1000V 10A, hook clips:- CATIII 1000V CATIV 600V 6A
- Crocodile/alligator clips :- CATIII 1000V CATIV 600V 10A
- Probe tips (W/Cap):- CAT III 1000V CAT IV 600V 10A, probe tips (W/O cap):- CAT II 1000V 10A

**20% OFF**

**\$41.16**

Order Code  
**349048702**

**multicomp** PRO

MP770521 - TEST LEAD SET **multicomp**<sup>PRO</sup>



- 2x 4mm banana plug to hook clip
- 2x 4mm banana plug to crocodile clip
- 2x 4mm banana plug to 4mm banana plug

30% OFF

**\$10.29**

Order Code  
**349049402**

JR8001/0.5M BLACK - TEST LEAD **multicomp**<sup>PRO</sup>



- High flexible cable
- 4mm banana Plug to 4mm banana Plug
- 15 V, 4 A, 500 mm

40% OFF

**\$3.14**

Order Code  
**428429002**

934093101 - TEST LEAD **HIRSCHMANN**  
Test & Measurement



- 4 mm system
- Measuring leads
- 30 VAC / 60 VDC rated voltage (1)

30% OFF

**\$11.40**

Order Code  
**828207202**

MP770283 - ALLIGATOR CLIP TEST LEAD **multicomp**<sup>PRO</sup>



- Lead length - imperial: 36"
- Insulator colour: red
- Voltage rating: 30VAC

40% OFF

**\$4.25**

Order Code  
**329013502**

MP770285 - TEST LEAD **multicomp**<sup>PRO</sup>



- 30V AC/60V DC, 5A rated
- Alligator clips x 2
- Voltage rating: 30VAC; Insulator colour: black, red; lead length - metric: 1m

30% OFF

**\$9.11**

Order Code  
**329013702**

LS/B1/093 WHITE - TEST PROBE CONNECTOR **OXLEY**



- Unique retention mechanism enhances reliability through low stress connections
- Minimum contact resistance (<lt/>2mΩ) through 8 points of contact
- Chamfer design allows excellent solder fillets to be formed

30% OFF

**\$14.75**

Order Code  
**157328302**

KA01 - THERMOCOUPLE **TTE**



- PTFE fine wire sensors
- Class 1 material

20% OFF

**\$9.05**

Order Code  
**492097102**

PSG08482 - THERMOMETER **PRO SIGNAL**



- Digital thermometer for use indoors or outdoors
- 1.8m lead with probe
- 12mm high LCD display

20% OFF

**\$6.21**

Order Code  
**340977102**

MP780052 - VOLTAGE TESTER **multicomp**<sup>PRO</sup>



- Thin probe tip for working with wall outlets
- LED light function on the rear
- Voltage detection indicated by sound and flashing, multicolour LED

30% OFF

**\$27.13**

Order Code  
**312662902**

# WIRED FOR PROGRESS CONNECTING IDEAS, POWERING POSSIBILITIES



As we welcome the New Year, we want to take a moment to sincerely thank you for your trust and support. Your continued loyalty means everything to us, and we're truly grateful to have you as part of our journey.

The year ahead brings new opportunities, fresh ideas, and exciting plans, and we look forward to serving you even better. We remain committed to providing you with the quality, care, and value you deserve.

Wishing you a New Year filled with happiness, success, and prosperity. Thank you for being with us — we look forward to another great year together.

Warm regards,

**Kiran Kaur**  
Regional Sales Manager  
Australia and New Zealand

# multicomp<sup>PRO</sup>

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[au.element14.com/Connect52MulticompPro](https://au.element14.com/Connect52MulticompPro)

## MP007764 - AC/DC POWER SUPPLY

multicomp<sup>PRO</sup>



- 90V AC to 264V AC voltage range and 47Hz to 63Hz frequency range
- 12V DC voltage, 0.5A rated current, 200mVp-p max ripple & noise
- Interchangeable AC heads (input connector such as UK, EU, US & AUS AC heads)

20% OFF

**\$13.59**

Order Code  
**377885302**

## JR9502/3M - AUDIO / VIDEO CABLE ASSEMBLY

multicomp<sup>PRO</sup>



- Connector type A : 2 x phono plugs
- Cable length - Imperial: 3.28ft

40% OFF

**\$7.87**

Order Code  
**425894002**

## MP710086 - BENCH POWER SUPPLY

multicomp<sup>PRO</sup>



- 150W maximum output power
- High resolution - 1mV/1mA
- Low ripple/noise

20% OFF

**\$290.91**

Order Code  
**322741902**

## MP002618 - CIRCULAR CONNECTOR

multicomp<sup>PRO</sup>



- Fits 21mm cut-out
- Solder and screw termination available
- IP68 rated

40% OFF

**\$11.75**

Order Code  
**336984602**

## MP007790 - AC/DC POWER SUPPLY

multicomp<sup>PRO</sup>



- 90V AC to 264V AC voltage range and 47Hz to 63Hz frequency range
- 5V DC voltage, 4A rated current, 240mVp-p max ripple & noise
- C8 input

20% OFF

**\$23.55**

Order Code  
**377888102**

## MC4133-S-DC12V-C - AUTOMOTIVE RELAY

multicomp<sup>PRO</sup>



- 1.5W coil power
- 500VAC for one minute dielectric strength
- 100000 operations electrical life

45% OFF

**\$4.40**

Order Code  
**200875602**

## 72-2700 - BENCH POWER SUPPLY

multicomp<sup>PRO</sup>



- Maximum supply voltage of 230V and power rating of 180W
- Maximum output voltage of 60V and maximum output current of 3A
- Ambient temperature range: 0°C to 40°C

30% OFF

**\$167.66**

Order Code  
**256398402**

## BC846 - BIPOLAR (BJT) SINGLE TRANSISTOR

multicomp<sup>PRO</sup>



- Two different gain selections
- High current gain
- Excellent hFE linearity

50% OFF

**\$0.60**

Order Code  
**179807202**

## MP002471 - AUDIO / VIDEO CABLE ASSEMBLY

multicomp<sup>PRO</sup>



- Fits 20.75mm cut-out
- HDMI connector
- IP68 rated

30% OFF

**\$67.50**

Order Code  
**336968202**

## MPCMA36N-DC12V-A-R - AUTOMOTIVE RELAY

multicomp<sup>PRO</sup>



- General purpose automotive relay, 70A of switching capability
- Quick connect terminals and PCB terminals
- 1 form A contact form, Ag alloy contact material

45% OFF

**\$5.27**

Order Code  
**432346702**

## MP002683 - CIRCULAR CONNECTOR

multicomp<sup>PRO</sup>



- Fits 21mm cut-out
- Solder and screw termination available
- IP67 rated

40% OFF

**\$11.41**

Order Code  
**336991802**

## MPSA06 - BIPOLAR (BJT) SINGLE TRANSISTOR

multicomp<sup>PRO</sup>



- Collector-base voltage(Vcbo = 80V)
- Emitter-base voltage(Vebo = 4V)

45% OFF

**\$0.92**

Order Code  
**157438802**

**MP010149 - D SUB CONNECTOR**

**multicomp** PRO



- Clip closing backshell
- 4-40 Thumbscrews
- Plastic strain relief

**40% OFF**  
**\$1.94**

Order Code  
**399566902**

**MP010152 - D SUB CONNECTOR**

**multicomp** PRO



- Clip closing backshell
- 4-40 Thumbscrews
- Plastic strain relief

**40% OFF**  
**\$2.79**

Order Code  
**399567202**

**MCNDI-02S - DIP / SIP SWITCH**

**multicomp** PRO



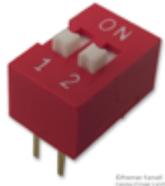
- Terminal Type: Splay
- 100MΩ at 500V insulation resistance
- 500VAC for one minute dielectric strength

**40% OFF**  
**\$0.59**

Order Code  
**947215002**

**MCNDS-02V - DIP / SIP SWITCH**

**multicomp** PRO



- 2-circuit DIP/SIP switch - enables easy circuit selection
- Slide actuator - provides reliable manual operation
- SPST-NO configuration - simple on/off functionality

**40% OFF**  
**\$0.62**

Order Code  
**286430502**

**MCMHR16V476M6.3X7 - ELECTROLYTIC CAPACITOR**

**multicomp** PRO



- Rated voltage range from 6.3VDC to 63VDC
- ±20% tolerance
- Endurance is 1000h at 105°C

**50% OFF**  
**\$0.13**

Order Code  
**945263002**

**MCGPR35V476M6.3X11 - ELECTROLYTIC CAPACITOR**

**multicomp** PRO



- Capacitance value ranges from 0.1μF to 22000μF for 6.3VDC to 100VDC
- Capacitance value ranges from 0.47μF to 820μF for 160VDC to 450VDC
- Tolerance of ±20%

**50% OFF**  
**\$0.11**

Order Code  
**945127702**

**MCPLS-020-A-3 - FLOAT SWITCH**

**multicomp** PRO



- No switching operation
- M8 x 1.25 thread size
- Form A contact configuration

**40% OFF**  
**\$7.42**

Order Code  
**155593602**

**2MD6T1B5M2RE - TOGGLE SWITCH**

**multicomp** PRO



- Epoxy seal (standard)
- Minimum insulation resistance: 1000MΩ
- 1000Vrms at sea level Dielectric strength

**40% OFF**  
**\$3.92**

Order Code  
**155010802**

**MP011372 - FUSE**

**multicomp** PRO



- 70V DC rated voltage and 110mV max voltage drop
- 80A rated current
- Rated breaking capacity is 2.5kA at 70V DC

**40% OFF**  
**\$3.44**

Order Code  
**415549502**

**MP010695 - FUSE**

**multicomp** PRO



- 80V DC rated voltage (EV high speed fuse)
- 100A rated current
- Rated breaking capacity is 4kA at 80V DC

**40% OFF**  
**\$3.08**

Order Code  
**404973602**

**MP012574 - FUSE**

**multicomp** PRO



- Blow time at 110% of rated current: minimum 4 hours
- Blow time at 135%: between 0.75 and 1800 seconds
- Blow time at 200%: Between 0.15 and 5 seconds

**40% OFF**  
**\$0.25**

Order Code  
**422906302**

**CB0045 RED/BLACK 100M - MULTICORE CABLE**

**multicomp** PRO



- Operating temperature: -15to 70°C
- 22.6Ω/km nominal DC resistance

**30% OFF**  
**\$102.94**

Order Code  
**171797902**

**MP009292 - MULTICORE CABLE**

**multicomp** PRO



- Black/red speaker cable
- No. of Max Strands x Strand Size - 16 x 0.2mm
- Black, Red Jacket Colour

**40% OFF**  
**\$61.22**

Order Code  
**164374902**

**GPL05 - PLASTIC ENCLOSURE**

**multicomp** PRO



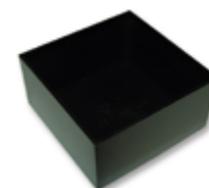
- External height - Metric 19mm
- External height - Imperial 0.75"
- External Depth - Imperial 1.42"

**45% OFF**  
**\$2.38**

Order Code  
**64564302**

**PB2 - PLASTIC ENCLOSURE**

**multicomp** PRO



- Wall thickness of 1mm
- Suitable for use with a potting compound
- External height - metric: 20mm

**45% OFF**  
**\$2.27**

Order Code  
**30118802**



**multicomp** PRO

# QUALITY AND VALUE CABLE AND WIRE

At Multicomp Pro, we understand that engineers need cost-effective, reliable solutions without compromising on quality. That's why we offer a wide range of cable and wire products designed to meet the demands of diverse applications—often at prices up to 30% less than leading brands.

With a 4.6/5 star rating and trusted by Fortune Global 500 companies, Multicomp Pro delivers the performance you need at the value you expect.



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## ATMEGA168-20PU - 8 BIT MCU



- Advanced RISC architecture
- 131 powerful instructions
- Fully static operation

**10% OFF**  
**\$6.04**

Order Code  
**917120702**

## ATMEGA168PA-AU - 8 BIT MCU



- Advanced RISC architecture - On-chip 2-cycle multiplier
- High endurance, non-volatile memory segments
- QTouch® library support - Capacitive touch buttons, sliders and wheels

**10% OFF**  
**\$3.35**

Order Code  
**174851602**

## MC9S08AW16CFGE - 8 BIT MCU



- HC08 Instruction set with added BGND instruction
- Single-wire background debug mode interface
- On-chip real-time in-circuit emulation (ICE)

**10% OFF**  
**\$10.49**

Order Code  
**119120502**

## MC908GP32CFBE - 8 BIT MCU

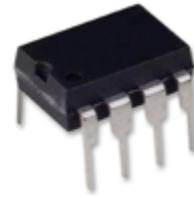


- High-performance M68HC08 architecture optimised for C-compilers
- Up to 8MHz internal bus frequency
- Low-power design, fully static with stop and wait modes

**20% OFF**  
**\$29.27**

Order Code  
**120052102**

## TNY175PN - AC / DC CONVERTER

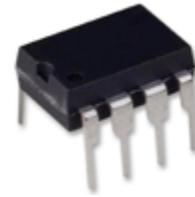


- 8.5W (adapter), 15W (peak/open) at 230V/6W (adapter), 11.5W (peak/open) at 85-265V output power
- Lowest system cost with enhanced flexibility, EcoSmart™ extremely energy efficient

**30% OFF**  
**\$1.21**

Order Code  
**361813902**

## TNY180PN - AC / DC CONVERTER



- 20W (adapter), 36.5W (peak/open) at 230V/14W (adapter), 28.5W (peak/open) at 85-265V output power
- Lowest system cost with enhanced flexibility, EcoSmart™ extremely energy efficient

**10% OFF**  
**\$2.15**

Order Code  
**361814502**

## MAX932CSA+ - ANALOGUE COMPARATOR

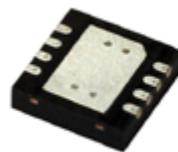


- Supply voltage range from 2.5V to 11V,  $\pm 1.25V$  to  $\pm 5.5V$
- Operating temperature range from 0°C to 70°C
- Internal 1.182V  $\pm 2\%$  bandgap reference

**20% OFF**  
**\$8.05**

Order Code  
**251501202**

## LTC6702IDC#TRMPBF - ANALOGUE COMPARATOR



- Supply voltage range is 1.7V to 5.5V
- Supply current per comparator is 24µA typical
- Propagation delay is 320ns typical

**40% OFF**  
**\$4.75**

Order Code  
**402277502**

## LT1716CS5#TRPBF - ANALOGUE COMPARATOR

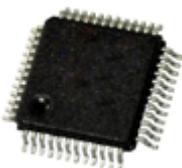


- Over-The-Top®: input common mode range extends 44V above V-, independent of V+
- Micropower: 35µA IQ
- Valid output with either input 5V below V-

**40% OFF**  
**\$4.56**

Order Code  
**402266802**

## STM32C071CBT6N - ARM MCU



- Voltage range: 2.0V to 3.6V, separate I/O supply pin (1.65V to 3.6V)
- Power-on / power-down reset (POR/PDR), programmable brownout reset (BOR)
- Low-power modes: sleep, stop, standby, shutdown

**40% OFF**  
**\$2.44**

Order Code  
**456276102**

## STM32C091CCT6 - ARM MCU



- Includes ST state-of-the-art patented technology
- Operating voltage range from 2.0V to 3.6V
- Up to 61 fast I/Os, all mappable on external interrupt vectors, all 5V-tolerant

**40% OFF**  
**\$2.89**

Order Code  
**467690002**

## PAM8008DR - AUDIO POWER AMPLIFIER



- Filterless, low quiescent current and low EMI, minimize pop/clip noise
- Power limit function to protect the speaker when occurring large input
- Supply voltage range from 2.5 to 5.5V

**30% OFF**  
**\$1.04**

Order Code  
**337381502**

ATMEGA8515-16AU - 8 BIT MCU



- Advanced RISC architecture - on-chip 2-cycle multiplier
- Non-volatile program and data memories
- Peripheral features - Programmable serial USART

3% OFF

\$5.29

Order Code  
917139802

DMMT5401-7-F - BIPOLAR TRANSISTOR ARRAY



- UL94V-0 flammability rating
- Epitaxial planar die construction
- DMMT5551 Complementary NPN type

40% OFF

\$0.26

Order Code  
177358302

TTL-232R-5V-WE - CABLE



- Cable length: 1.8m (6feet)
- UHCI/OHCI/EHCI host controller compatible
- Diameter of 5mm

3% OFF

\$37.68

Order Code  
174036402

MDOB128064WV-YBI - GRAPHIC OLED



- 0.96" graphic OLED (Organic Light Emitting Diode) display with 128 x 64 resolution
- Yellow and blue on black background appearance
- Chip on board construction

5% OFF

\$17.02

Order Code  
356508402

MJD44H11G - BIPOLAR (BJT) SINGLE TRANSISTOR



- Lead formed for surface mount application in plastic sleeves (no suffix)
- Straight lead version in plastic sleeves
- Electrically similar to popular D44H/D45H series

40% OFF

\$1.40

Order Code  
955780602

VS-2KBP10 - BRIDGE RECTIFIER



- Suitable for printed circuit board mounting
- Compact construction
- High surge current capability

45% OFF

\$2.06

Order Code  
909868202

ASMA500B058L13 - RF / COAXIAL CABLE ASSEMBLY



- RG58 replacement
- Jacket colour: black
- Impedance: 50ohm

10% OFF

\$65.60

Order Code  
266685002

TLF80511TFV33ATMA2 - LDO, FIXED



- Output voltages 5V and 3.3V, output voltage precision ±2%
- Output current up to 400mA, ultra low current consumption of 38µA
- Very low dropout voltage 100mV at 100mA output current

40% OFF

\$1.48

Order Code  
329466402

MJ15004G - BIPOLAR (BJT) SINGLE TRANSISTOR



- High DC current gain
- High safe operating area
- For low distortion complementary designs

30% OFF

\$8.28

Order Code  
955647802

BU2510-E3/45 - BRIDGE RECTIFIER



- UL94V-0 flammability rating
- Solder dip 275°C maximum 10s, per JESD 22-B106
- Operating junction temperature range: -55 to 150°C

30% OFF

\$4.23

Order Code  
181562802

MPSA42 - BIPOLAR (BJT) SINGLE TRANSISTOR



- Collector emitter voltage max: 300V
- Power dissipation: 625mW

45% OFF

\$1.71

Order Code  
101771902

EK-VPK180-G - EVALUATION KIT



- Versal™ Premium XCV1802-2MSLSVC4072 Adaptive SoC
- Configuration: JTAG via USB connector, JTAG via USB connector, QSPI (dual), MicroSD
- 12GB (6x 2 GB, 32-bit), 192-bit at 3900Mb/s LPDDR4 component

\$32,067.42

Order Code  
469004402

EK-U1-ZCU208-V1-G - EVALUATION KIT



- Integrated 8x 5GSPS ADC, 8x 10GSPS DAC, 8x SD-FEC design example
- Lidless package for improved thermal dissipation
- DDR4 component - 4GB, 64-bit, 2666MT/s, attached to programmable logic (PL)

\$31,219.35

Order Code  
377589502



**HFBR-1414Z - FIBER OPTIC TRANSMITTER**



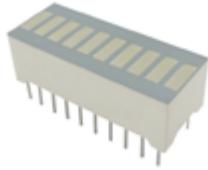
- Meets IEEE 802.3 Ethernet and 802.5 token ring standards
- Meets TIA/EIA-785 100Base-SX standard
- Link distances up to several kilometres

20% OFF

**\$36.56**

Order Code  
**117316402**

**DC-10CGKWA - LED BAR GRAPH ARRAY**



- Suitable for level indicators
- Low current operation
- Excellent ON/OFF contrast

40% OFF

**\$3.53**

Order Code  
**207988102**

**151053GS03000 - LED**



- Low energy consumption
- High reliability
- Low current requirement

30% OFF

**\$0.27**

Order Code  
**232212302**

**BSC042N03LSGATMA1 - POWER MOSFET**



- Fast switching MOSFET for SMPS
- Qualified according to JEDEC for target applications
- Logic level

45% OFF

**\$1.30**

Order Code  
**177544002**

**HFBR-1414TZ - FIBER OPTIC TRANSMITTER**



- Meets IEEE 802.3 Ethernet and 802.5 token ring standards
- Repeatable ST connections within 0.2dB typical
- Unique optical port design for efficient coupling

20% OFF

**\$35.16**

Order Code  
**124762702**

**MP002077 - LED MODULE**



- LED: ø 5mm green
- No. of LEDs: 21
- Brightness: ≥150cd

20% OFF

**\$14.93**

Order Code  
**338557502**

**IR2136SPBF - MOSFET DRIVER**



- Floating channel designed for bootstrap operation
- Fully operational to +600V
- Tolerant to negative transient voltage, dV/dt immune

**\$7.80**

Order Code  
**863895002**

**IRFB7440PBF - POWER MOSFET**



- Fully characterized capacitance and avalanche SOA
- Enhanced body diode dV/dt and di/dt capability
- Continuous drain current Id: 120A

30% OFF

**\$1.38**

Order Code  
**225378702**

**HFBR-1412Z - FIBER OPTIC TRANSMITTER**



- Link distances up to 1.5km
- AlGaAs emitters 100% burn-in ensures high reliability
- Unique optical port design for efficient coupling

20% OFF

**\$36.34**

Order Code  
**117315302**

**MP002076 - LED MODULE**



- LED: ø 5mm Red
- No. of LEDs: 21
- Brightness: ≥70cd

10% OFF

**\$9.74**

Order Code  
**338557402**

**CA3240EZ - OPERATIONAL AMPLIFIER**



- Dual version of CA3140, internally compensated, MOSFET input stage
- Input resistance is 1.5Tohm typical, input offset voltage is 5mV typical
- Directly replaces industry type 741 in most applications

30% OFF

**\$3.58**

Order Code  
**966363002**

**1N4149 - SMALL SIGNAL DIODE**



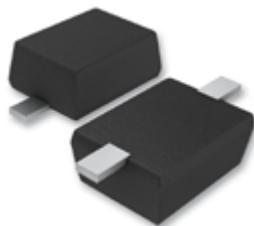
- Power dissipation: 500mW
- Operating junction temperature: 175°C

50% OFF

**\$0.40**

Order Code  
**165114702**

**1N914BWT - SMALL SIGNAL DIODE**



- Fast switching device (TRR <math><lt;/math>4.0ns)
- Flat lead, surface mount device under 0.70mm height
- Extremely small outline plastic package SOD523F

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# Highly Integrated 1T2R Transceiver (RF to Digital)

## Advanced Features

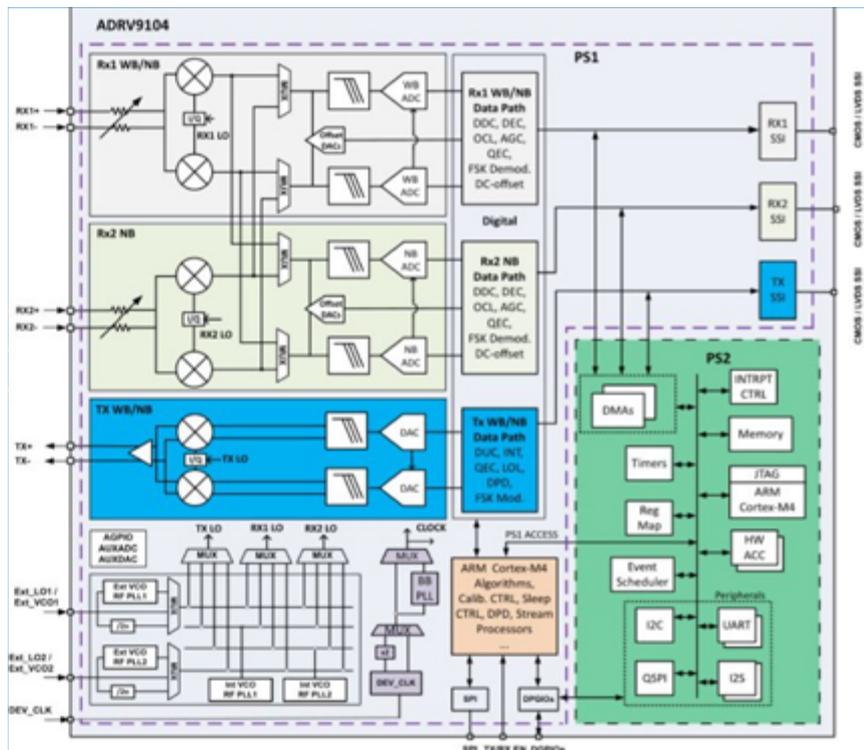
- ▶ NB+WB reception
- ▶ Integrated FSK Modulation and De-modulation
- ▶ Digital Predistortion
- ▶ Low power NB receiver: <110 mW
- ▶ Power Saving and Monitor Mode
- ▶ Ultra Low Phase Noise - Internal PLL with External VCO

## Nevis TRx + Software Defined Modem

- ▶ ARM M4 Processor
- ▶ HW accelerators
- ▶ Peripherals

## Frequency & Bandwidths

- ▶ LO Range 70 MHz - 6 GHz
- ▶ Narrow Band 12.5 kHz - 2 MHz
- ▶ Wideband 12.5 kHz - 40 MHz





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