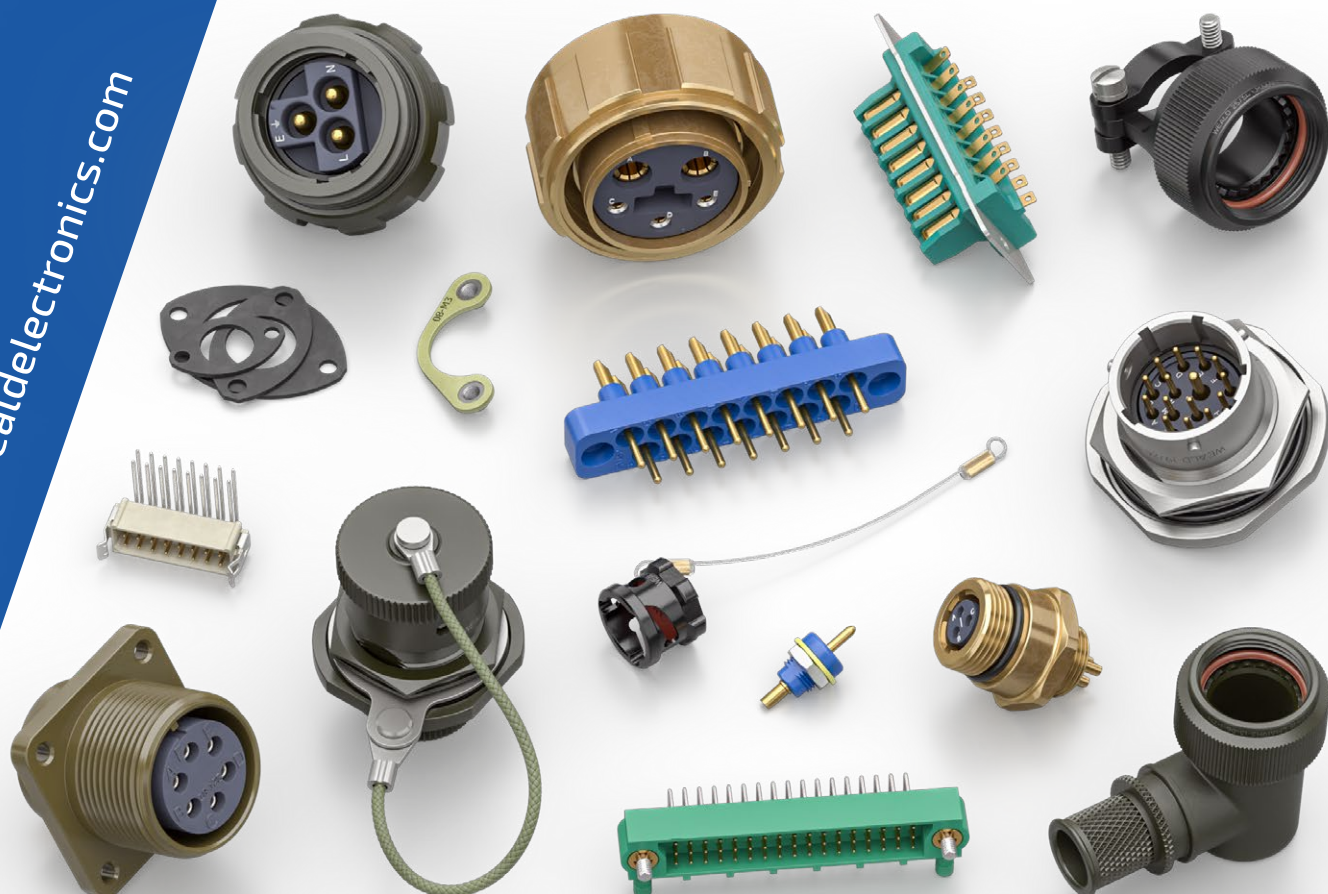


UK-manufactured circular and rectangular connectors, backshells and accessories for military, aerospace, industrial and motorsport.





Contents

Introduction	3
Circular connector ranges	4 - 7
Backshells	8 - 9
Accessories	9
Protective caps	10 - 11
Rack and panel	11
Other connector types	12 - 13
Product safety	14

Lodge Group

Established in 1976, Weald Electronics is part of the privately-owned Lodge Group which includes the connector distributor FC Lane Electronics and its Autosport Division, Lane Motorsport.



Lodge Group Headquarters

Weald Electronics is predominantly known for its comprehensive selection of circular bayonet and screw coupling connectors, and two-part PCB sub-miniature plastic-bodied circular connectors. Weald also specialises in short run, application specific, special and obsolete connector and cable developments.

To complete your interconnection solution, Weald Electronics manufactures protective caps and backshells for MIL-DTL-38999 / 26482 applications as well as protective caps, nut plates and gaskets for use right across motorsport.

With design, manufacturing and test facilities at its Slinfold Lodge HQ, Weald Electronics is able to tailor a connector solution to exactly meet a customer's specific requirement on surprisingly short lead times. Standard products are normally available next day.

Approvals held by Weald Electronics and sister company Lane Electronics include:

BS EN ISO 9001 - Distribution, Design and Manufacture of Electrical Connectors

BS EN 9120 - Distribution of Electrical Connectors

QPL CATEGORY C - Assembly of 8LT, 8D, JVS MIL-DTL-38999 Series I and Series III Connectors

CECC - Distributor and Specialist Contractor

CECC 200 024 - Final Assembly of Electrical Connectors

IPC/WHMA-A-620 - Requirements and Acceptance for Cable and Wire Harness Assemblies



Products from Weald Electronics Ltd are available from FC Lane Electronics Ltd.

t: +44 (0) 1403 790 661

e: sales@fclane.com

w: fclane.com

STANDARD ITEMS AVAILABLE EX-STOCK WITH NO MOQ / MOV

LMH MIL-DTL-26482 SERIES I

- Manufactured to IECQ-CECC spec. BS/CECC 75201-003 and BS 9522 F0017
- Designed to perform to the requirements of MIL-DTL-26482 series 1 and Patt. 105
- Bayonet locking, multicontact connectors with solder contacts
- Wide variety of shell styles, sizes and contact arrangements
- Working voltage up to 1500V DC or AC peak
- Free shells available with grounding fingers
- RoHS Compliant plating finishes available
- Accessories available include J sealing glands, protective caps and screen termination
- PCB contacts for fixed styles
- EMC 360° screen termination available



Typical part number: LMH 02A 1419PN

LMF

- Multicontact circular connectors
- Aluminium shells with fine thread coupling
- Brass shells with coarse thread coupling
- IP67 rating
- Plastic inserts
- For DC and low frequency applications
- Bulkhead styles including thermocouple contacts available
- 1 – 25 non-removable solder contacts (18 arrangements)
- Variety of accessories including EMC 360° screen termination available
- Clean finish brass extensively used in the nuclear industry for glove-box application
- Good environmental protection
- 5 – 60A current rating
- RoHS Compliant plating finishes available



Typical part number: LMF/1/40225/520

LMG

- Manufactured to BS 9522 F0014
- Multi-contact circular connectors with solder contacts
- Aluminium shells with fine thread coupling
- IP67 rating
- Brass shells with coarse thread coupling
- Rugged construction
- Polychloroprene inserts
- For DC and low frequency applications
- 3 – 60A
- 2 – 26 non-removable solder contacts (19 arrangements)
- RoHS Compliant plating finishes available
- Wide variety of accessories allowing 360° braid trap termination and good environmental protection, including PG-type backshells



Typical part number: LMG/1/07227/220

LMG HEAVY DUTY

- Extremely rugged
- Tried and tested military contact technology
- High shock and vibration capabilities
- Environmentally sealed from IP67 to IP69K
- In-line, panel and cable mounting styles
- 2 to 26 contacts
- Brass or Stainless Steel shells
- 1 to 60A current rating
- Wide range of backshells available
- Ideal for applications where high strength and reliability is essential



Typical part number: LMG/1/91025/715

MG MIL-DTL-5015 REVERSE BAYONET COUPLING

- Based on MIL-DTL-5015 planforms
- Intermateable with VG95234 and Pattern 121B connectors
- High shock and vibration capabilities
- Environmentally sealed from IP67 to IP69K
- In-line, panel and cable mounting styles
- 1 to 104 solder/crimp contacts
- 13 to 150A current rating
- EMI/RFI shielding, strain-relief backshells available
- Available with RJ45 inserts designed to be used with shielded Cat6A cables
- Ideal for applications where high strength and reliability is essential



Typical part number: MG 02R 10SL 4P

LMJ MIL-DTL-5015 THREADED COUPLING

- Designed to meet the requirements of MIL-DTL-5015
- Aluminium alloy shells with threaded coupling and neoprene insert
- Rated working voltage 250 – 4200V DC, at sea level 200 – 3000V AC rms
- 1 – 104 solder/crimp contacts
- 13 – 150A current rating
- IP 67 rating can be achieved
- EMI/RFI shielding, strain-relief backshells available
- PG type backshells available
- Alternative plating finishes available including Nickel, RoHS Compliant Zinc Cobalt Olive Drab and Zinc Cobalt Black
- 13 shell sizes



Typical part number: LMJ 3102R 10SL 3P



LMV MAINS POWER

- Manufactured to IECQ-CECC spec BS/CECC 75201-004 which includes the safety requirements of BS EN 60950 for safe use in mains applications and marked assemblies
- Solder contacts
- Finger probe proof, live and neutral contacts
- Various shell styles and accessories
- Two shell sizes suitable for direct connection in 250V applications
- Current rating 7.5, 20 and 32A
- RoHS Compliant and cadmium free versions available as standard
- EMC 360° screen termination available
- Brass shells
- Leading earth



Typical part number: LMV 2154-1M3-M0, LMV 2155-21M4-F0

LMH POWER

- Designed to perform to the requirements of MIL-C-26482
- Bayonet locking, multicontact connectors with solder contacts
- 4 shell sizes and various styles
- 2 - 5 contacts (6 contact arrangements)
- Maximum Current Rating at 85°C per individual contact in isolation:
 - Contact size 20 - 7.5A
 - Contact size 12 - 23A
 - Contact size 8 - 45A
- Working voltage up to 500V DC or AC peak
- Free shells with grounding fingers available
- RoHS Compliant plating finishes



Typical part number: LMH 02A 1404PN

8STA/8D RANGE CUSTOM SOLUTIONS

- Custom modifications available for Eaton Souriau 8STA and 8D range connectors to suit your application*
- Weight reduction and custom flange/panel mounting solutions
- Back potting and encapsulation
- Customer specific part numbering
- Re-engineering and manufacture of obsolete parts
- In house design and machining capability
- Rapid design proposals and sampling
- No minimum order quantity
- Short lead times

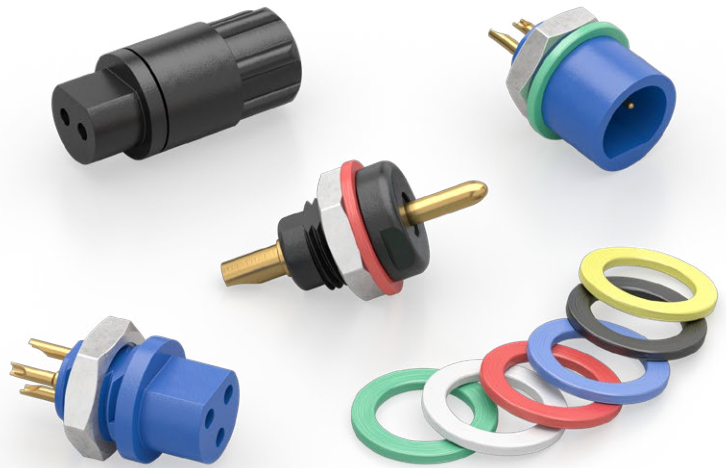
* - Custom solutions apply to all connector ranges



Typical part numbers: CS601820205PN; CS5886001035B

SM/SMA

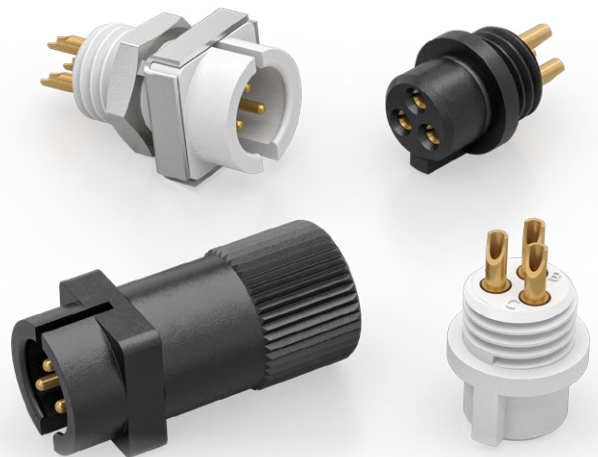
- Robust sub-miniature plastic bodied
- 1, 2 and 3 contacts
- 3, 7 and 12A current rating
- Working voltage 500V DC or AC peak
- Black or blue high density plastic mouldings
- Hoods suit either plugs or sockets
- Panel or cable mounting
- Identity discs in 6 colours available



Typical part numbers: SM1S; SMA1P

SMC

- Robust sub-miniature plastic bodied
- 3 contacts
- 3A current rating
- Working voltage 500V DC or AC peak
- Black and white low density plastic mouldings
- Panel or cable mounting



Typical part number: SMC 310

FIBRE OPTIC CABLE ASSEMBLIES

- Termination and polishing of EATON Souriau® ELIO high speed fibre optic connectors for use in 8D Series MIL-DTL-38999 connectors
- Termination of Cinch Fibreco® Expanded Beam fibre optic connector ranges such as Mini, Junior, Senior, Maxi and 38999
- A range of multimode and singlemode solutions for harsh environments
- High quality, high performance, field terminable/repairable
- Fully configurable cable and cable reel designs available
- MIL-DTL-83526 compatibility (Fibreco® Junior range)
- Simplex, duplex and multicore cables terminated with ELIO, SC, LC, FC, ST or any combination
- IPC certification for fibre cable assembly
- Connector planforms with 1 to 24 contacts in a wide variety of types, shell materials and finishes



LMA19 EMI/RFI HEAT SHRINK BOOT BACKSHELLS

- Compatible with MIL-DTL-38999 / D38999 Series III and IV (H interface) or MIL-DTL-26482 Series I / LMH Range (D interface) circular connectors
- Straight and angled / 90 deg. variants
- Made of Aluminium, Stainless Steel or Nickel Aluminum Bronze
- Provide strain-relief and cable support to prevent bending or overflexing
- Overall 360° screening against EMI/RFI interference
- Protect the effectiveness of the cable, sealing against water and dirt ingress
- Two-part components allow uncoupling for repairs without damaging the boot
- Many sizes and plating finishes available from stock
- Tool-free constant force spring or band strap provided



Typical part numbers: LMA19H1-13-05-1-B-01, LMA19D1-16-08-1-C-02

LMA20/LMA23 BACKSHELLS FOR FIBRE OPTIC CONNECTORS

- Compatible with MIL-DTL-38999 Series III Fibre Optic circular connectors
- Designed to accommodate the push back of the cable during the connector mating
- Made of Aluminium, Stainless Steel or Nickel Aluminum Bronze
- Provide strain-relief and cable support to prevent bending or overflexing, and additional space between the rear of the connector and the strain relief
- Protect the effectiveness of the cable, sealing against water and dirt ingress
- LMA23 style provides overall 360° screening against EMI/RFI interference
- Two-part components allow uncoupling for repairs without damaging the boot



Typical part numbers: LMA20H1-13-1-B, LMA23H1-13-05-1-C-01

LMA67/LMA79 HEAT SHRINK BOOT BACKSHELLS

- Compatible with MIL-DTL-38999 Series III and IV (H interface) or MIL-DTL-26482 Series I / LMH Range (D interface) circular connectors
- Made of Aluminium, Stainless Steel or Nickel Aluminum Bronze
- Provide strain-relief and cable support to prevent bending or overflexing
- Protect the effectiveness of the cable, sealing against water and dirt ingress
- LMA67 style features a low-profile design that saves space and weight
- LMA79 style is based on AS85049/69 specification and features two-part design to allow uncoupling for repairs without damaging the boot



Typical part numbers: LMA67H1-15-1-B; LMA79H1-21-1-ZB

LMA69/LMA1038 CABLE CLAMP BACKSHELLS

- Compatible with MIL-DTL-38999 / D38999 Series III and IV (LMA69H) or MIL-DTL-26482 Series I / LMH Range (LMA1038) circular connectors
- LMA69 style is based on AS85049/38 and AS85049/124 specifications
- Strain relief achieved with the use of a cable clamp
- Made of Aluminium to provide optimum strength and reliability
- Many sizes and plating finishes available from stock



Typical part numbers: LMA69H1-19-1-B; LMA1038-08-02-00

VARIOUS STANDARD AND CUSTOM DESIGNED BACKSHELLS

- Standard backsHELLS and adaptors for MIL-DTL-5015 and MIL-DTL-26482 connectors
- J sealing glands, A endbell adaptors and grommet nuts
- Any design in most materials to suit your application
- Re-engineering and manufacture of obsolete parts
- BacksHELLS for fibre optic connectors
- Custom Protection Covers, Blanking Caps and Dummy Receptacles.
- Solutions for screened and un-screened cables
- In house design and prototyping capability
- Rapid design proposals and sampling
- Industry beating lead times



Typical part numbers: LMA1039-10-07-00; LMA8509-12-08-101; LMA1110-14-00-00

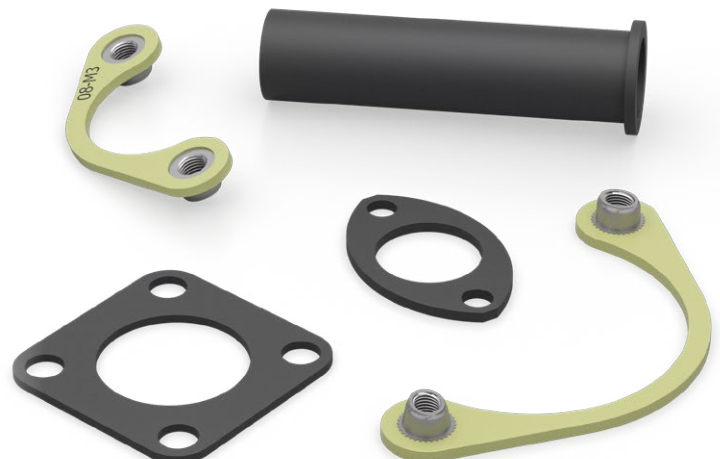
LMA GASKETS, NUT PLATES AND OTHER ACCESSORIES

Gaskets

- Designed for two-hole flange mounted motorsport and MIL spec connectors
- Made from Neoprene or Viton® rubber
- Excellent resistance to motorsport fuels and fluids
- Electrically conductive version available

Nut plates

- Designed for two-hole flange mounted motorsport connectors
- Speed up connector installation in hard-to-reach locations
- Available in 16 sizes
- Anti-vibration / self-locking design
- Lightweight and corrosion resistant



Typical part numbers: LMA8684-02-25-00; LMA1071-08-00-00

LMD7001/7002/7005/7006 PROTECTIVE CAPS

- Compatible with MIL-DTL-38999 / D38999 Series III and IV or MIL-DTL-26482 Series I / LMH Range circular connectors
- All parts machined from solid material for reliable strength and performance
- Stainless steel wire rope, chain or nylon cords
- Wide choice of material plating options available, including Stainless Steel and Nickel Aluminium Bronze
- Various attachment variants including rings, eyelets and crimp ferrules



Typical part numbers: LMD7001-09-01-111, LMD7002-15-08-522; LMD7005-14-12-212

LMD7003/7004 LIGHTWEIGHT MOTORSPORT PROTECTIVE CAPS

- Designed for bayonet coupling circular autosport / motorsport connectors, derived from MIL-DTL-38999 and JN1003
- Ultra-lightweight design (up to 40% lighter than standard design)
- 14 sizes and two types (for plugs and receptacles), including size 01
- Corrosion resistant aluminium body
- Anti-vibration locking design
- Shell machined from solid material for reliable strength and performance
- Available with or without flexible stainless steel 'micro' wire rope lanyards



Typical part numbers: LMD7003-06-02-335; LMD7004-08-00-005

LMD7012 BLANKING COVERS/SHORTING CAPS

- Designed to perform to the requirements of MIL-DTL-38999 series III specification
- All parts machined from solid material for reliable strength and performance
- Stainless steel wire rope, chain or nylon cords
- Wide choice of materials and plating options available



Typical part numbers: LMD7012-09-01-1A11-1; LMD7012-15-05-1B12-1

LMA/MS25042/25043 AND VG95234 STYLE PROTECTIVE CAPS

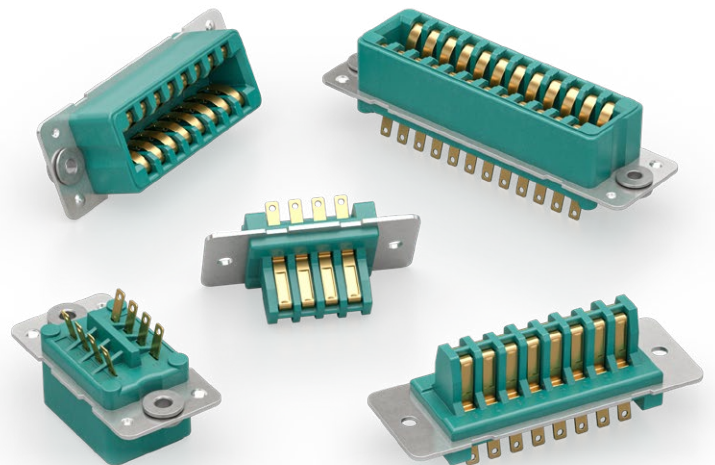
- Protective caps for MG Range bayonet coupling and LMJ Range threaded coupling circular connectors
- Designed to perform to the requirements of MIL-DTL-5015 specification
- Bayonet versions compatible with VG95234 connectors
- Made from aluminium alloy for reliable strength and performance
- Fitted with a stainless steel fixing chain



Typical part numbers: LMA25042-10D; LMA25043-16D; MG0212CC; MG0620CC

LMR RACK AND PANEL CONNECTORS

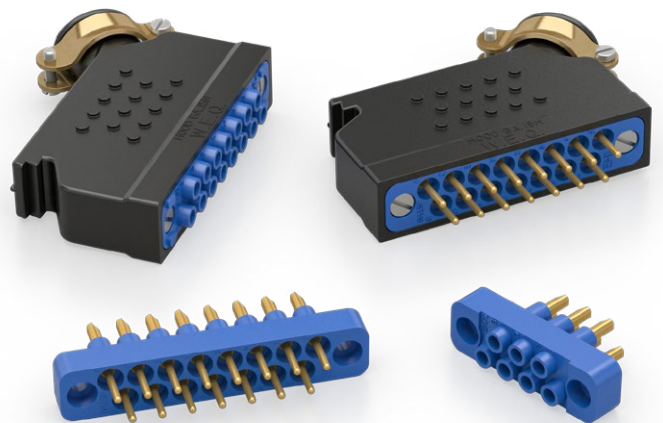
- Rugged construction
- Floating bushes to assist alignment
- 180° polarization for precise orientation
- Outstanding current carrying capabilities
- Offered in four sizes featuring 8, 16, 24, and 32 contacts
- 5A current rating
- Working voltage 800V DC or AC peak
- UL-94 V-0 rated flame-retardant
- Working temperature -55°C to +125°C
- Diallyl-Phthalate (DAP) insulators



Typical part number: LMRP24DP

BA

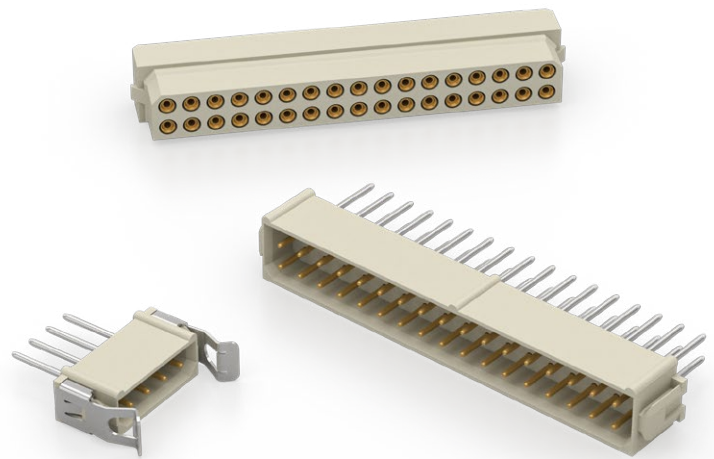
- 7 and 15 contacts
- Working voltage 2.5kV DC or AC peak
- 13A current rating (per contact)
- DAP mouldings
- High density polythene hood



Typical part numbers: BA7PH

LM200 HIGH DENSITY 2mm PITCH CONNECTORS

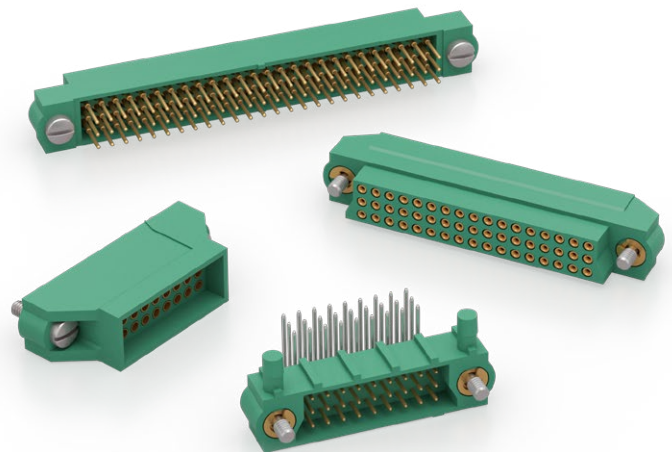
- Designed to meet BS9525 F0033
- High density 2mm pitch 2-part PCB connector
- High specification
- Small footprint for increased packing density
- 7 sizes single row (2 to 17 way), 11 sizes two row (4 to 34 way)
- Male straight and 90° p.c. terminations
- Female straight p.c. and crimp terminations
- For board-to-board or cable-to-cable applications



Typical part number: LM202F16T01U

MICRONECTOR 300 2mm PITCH PCB

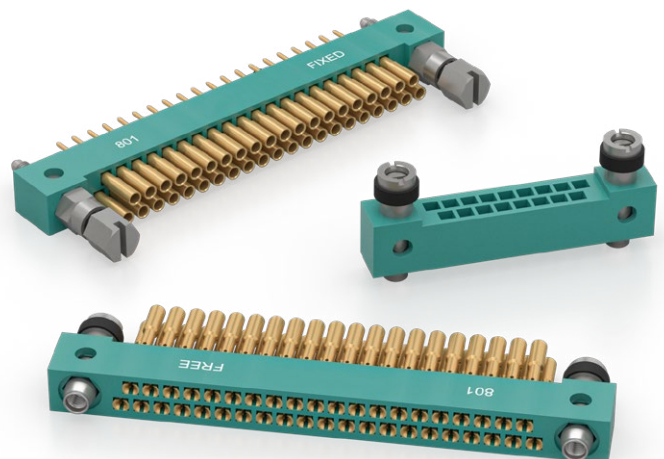
- High density 3-row, 2mm pitch 2-part PCB connector
- High specification
- 3 sizes: 27, 51 and 78 ways
- Male straight pc, 90° pc and crimp terminations
- Female straight pc, flexi circuit and crimp terminations
- Male panel mount variant
- For board-to-board or cable-to-cable applications



Typical part number: 301 M27T03A00

801 MIL-C-55302 SIGNAL 2-ROW PCB

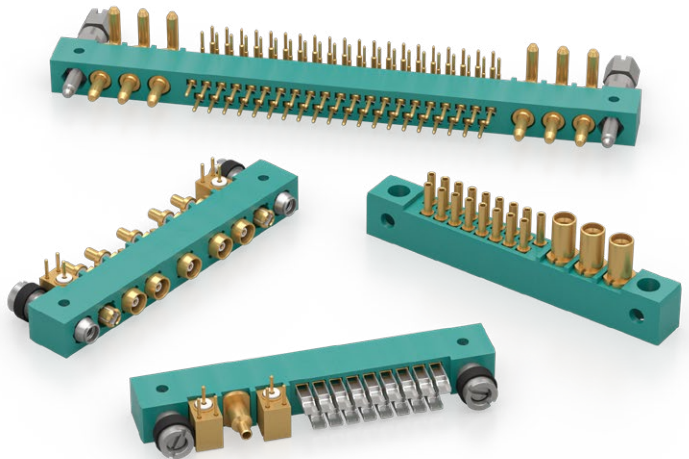
- Based on MIL-C-55302 and manufactured to BS9525 N0001 (LF only)
- 2-row, 2-part PCB connector
- Comprehensive product range
- All contacts are removable and replaceable
- 17 through to 96 contacts available
- 7 contact styles, male and female
- Brass and stainless steel guides
- High resistance to vibration and extreme reliability



Typical part number: 801M72FREEYMNGD

801CX MIL-C-55302 MODULAR PCB

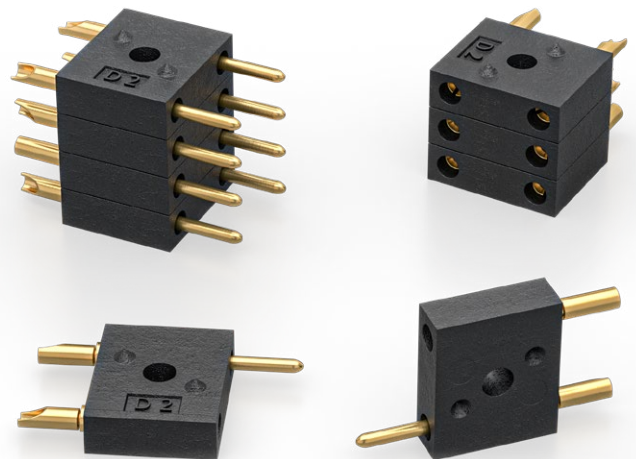
- Based on MIL-C-55302
- 2-row, 2-part PCB connector
- Comprehensive product range - LF and mixed layouts
- Power contacts provide up to 25A and coax inserts available for frequencies up to 2GHz
- All contacts are removable and replaceable
- High resistance to vibration and extreme reliability



Typical part number: 801CXF07FRENGA

D2 MINIATURE STACKABLE

- Miniature Stackable
- 2 gold plated contacts
- 5A current rating
- Nylon mouldings
- Working voltage 500V DC or AC peak
- Operating temperature -40°C to +125°C
- Stackable and polarised



Typical part number: D2P

RF/COAXIAL CABLE ASSEMBLIES

- High quality RF/Coaxial cable assemblies to customer designs using HUBER+SUHNER connectors and cables.
- Direct access to large stocks of connectors including SMA, SMB, SMC, BNC, TNC, QMA and QN TYPES.
- Stocked coaxial cables include the industry-leading HUBER+SUHNER ENVIROFLEX and SPUMA coaxial cables of the follow types:
 - SPUMA 240-FR-01 coaxial cable, item no 85021563
 - SPUMA 400-FR-01 coaxial cable, item no 84132035
 - ENVIROFLEX 316D coaxial cable, item no 22512281
 - ENVIROFLEX B316D basic coaxial cable, item no 85087103
 - ENVIROFLEX 142 coaxial cable, item no 22512168
 - ENVIROFLEX 142 coaxial cable, item no 85087105



Product Safety Information

These notes are intended to be used in conjunction with the Product Catalogue and Product Specification. Products may be safely used in the applications for which they have been designed and within the specified rating and environments. If products are exposed to conditions outside the performance ratings or specified environments they may constitute a hazard. In particular it should be noted that:

1. Material Content

Circular Connectors generally use metalwork parts made of brass, aluminium, phosphor-bronze or steel, which, dependant on the particular application, may be passivated and protected with cadmium or zinc plate – in conjunction with chromated or anodised surface finishes. The insulating materials can either be natural or synthetic rubber, together with plastic or glass-filled plastic moulded parts. Contact materials vary but are usually made of brass, phosphor-bronze, alumei or chromel.

2. Electric Shock, Burns and Fire

Hazard can occur if the product is used outside the specified parameters or if the product is damaged, wrongly wired, poorly assembled, poorly integrated into larger equipments, or contaminated with conductive fluids. Live circuit terminations must be protected and live circuits never broken by disconnecting products.

Hot spots may be created when resistance is increased due to damage or incorrect integration particularly soldering, or loose terminations. Overheating can cause breakdown of insulation, electric shock, burns or, ultimately, fire. In the event of fire noxious and/or toxic fumes may be released and, in these circumstances, any fire involving the product should be dealt with by personnel properly equipped. Connectors with exposed terminations or contacts should not be used on the current supply side of a circuit with exposed contacts on an unmated product. Before making a circuit live, the product and wiring should be checked to ensure there is no electrically conducting debris present. Circuit resistance checks should also be conducted before making the circuit live. Always ensure that connectors are assembled and wired by properly trained personnel.

3. Use, Transport and Storage of Products

Care must be exercised to avoid damage to any part of the products during transporting, storage or use. Abnormal transit or storage conditions and abuse during installation can give rise to damage. Products should not be used in a damaged condition.

Improper storage (particularly of damaged products) can give rise to additional hazards particularly corrosion. Attention is specifically drawn to the need for proper storage of products containing cadmium and you are advised to see the Guidance Note from the Health and safety Executive on Cadmium – Health and Safety Precautions.

4. Disposal of Products

Product should not be burnt.

Safety Rules

- Follow the guidelines given
- Always protect live circuits and never disconnect a live connector
- Never use a damaged connector
- Never burn discarded connectors

Weald
ELECTRONICS

For more information visit our website
www.wealdeelectronics.com



SCAN ME



www.wealdeelectronics.com



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