

INTERCONNECT SOLUTIONS



AEROSPACE • DEFENCE • MEDICAL • MILITARY • INDUSTRIAL
ENTERTAINMENT • AVIONICS • GEOPHYSICAL • MOTORSPORT

www.fclane.com

FRANCHISED CONNECTOR DISTRIBUTOR



LANE ELECTRONICS LTD, part of the privately owned Lodge Group, was established in 1966 with a single goal - to become the premier supplier of connector products to the commercial & military electronic equipment industries. Well over four decades on, Lane Electronics continues to supply connectors, adaptors & RF cable products from many of the world's leading connector manufacturers.

We have a dedicated policy of maintaining huge stocks of an extensive range of connector types which allows us to generally deliver to you from stock. Further details of all ranges can be found at

www.fclane.com

Approvals held: BS EN 9120: 2010 (RS 00100), BS EN ISO9001: 2008 (FM 588537), CECC (D2000 IECQ-CECC & P4000 IECQ-CECC), CECC 200 024 (E003/PA), BS9000 (2035/S) & QPL Cat 'C' DSCC-VQ (VQP-97-0763).

THE CONNECTION SOLUTION PROVIDER



WEALD ELECTRONICS LTD, established in 1976 & also part of the Lodge Group, is a manufacturer of high quality connector ranges as detailed in this publication. Weald products are currently only available from Lane Electronics through whom all quotations are issued & all sales processed. With its own in-house design office, development workshop, environmental test laboratory & over 30 years experience, Weald Electronics offers a fast design & development service for customer specials or non standard connectors.

A dedicated policy of maintaining huge stocks of connector piece parts will often enable Weald Electronics to offer lead times better than the industry standard. Full details of all Weald products can be found at

www.wealdelectronics.com

Approval held: BS EN ISO9001:2008 (FM 588537)



NO MINIMUM ORDER CHARGE



CREDIT CARD PAYMENT WELCOMED

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RANGE LMH MIL-C-26482 SERIES I

- Manufactured to IECQ-CECC spec BS/CECC 75201-003 & BS 9522 F0017
- Designed to perform to the requirements of MIL-C-26482 series 1 and Patt. 105
- Bayonet locking, multicontact connectors with solder contacts
- Wide variety of shell styles, sizes & 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 & screen termination
- PCB contacts for fixed styles
- EMC 360° screen termination available

Typical part number: LMH02A1419PN



See below for details of FILTER version (LMHF)
& page 7 for details of POWER version

RANGE 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 & good environmental protection, including PG-type backshells

Typical part number: LMG/1/07227/220



RANGE LMF

- Multicontact circular connectors
- Aluminium shells with fine thread coupling
- Brass shells with coarse thread coupling • IP67 rating
- Plastic inserts • For DC & 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



THERMOCOUPLE CONTACTS AVAILABLE

RANGE LMHF MIL-C-26482 FILTER CONNECTORS

- Filter version of LMH for EMI suppression
- Flange or jam-nut mounting
- Individual or combined circuit types & capacitance values
- Eliminates internal bulkhead for mounting discrete filters
- Eliminates wiring costs
- Reduces board space required for filtering
- Reduces overall weight
- PCB contacts
- RoHS Compliant & cadmium free plating finishes available as standard

Typical part number: LMHF02B1419PNA41



RANGE LMG HEAVY DUTY

- Tried & tested military contact technology
- High shock & vibration capabilities
- Environmentally sealed from IP67 to IP69K
- In-line, panel & cable mounting styles
- 2 to 26 contacts
- 1 to 60A current rating
- Wide range of backshells available

Typical part number: LMG/1/91025/715


Weald
ELECTRONICS

RANGE MG MIL-C-5015

- Based on MIL-C-5015 platform
- Reverse bayonet coupling
- Neoprene inserts • Robust construction
- Wide variety of contact arrangements
- Aluminium shells (8 styles)
- Quick positive coupling with audible indication of full coupling
- High shock & vibration capabilities
- IP 67 rating can be achieved
- Operating temperature -55°C to +125°C
- Intermateable with VG95234 & Pattern 121B connectors

Typical part number: MG 02R 10SL 4P


Weald
ELECTRONICS

RANGE LMJ MIL-C-5015

- Designed to meet the requirements of MIL-C-5015
- Aluminium alloy shells with threaded coupling & neoprene insert
- Rated working voltage 250 – 4200V DC, at sea level 200 – 3000V AC rms
- 1 – 104 solder/crimp contacts
- 13 shell sizes
- 10 – 150A current rating
- IP 67 rating can be achieved
- EMC 360° screen termination available
- PG type backshells available

Typical part number: LMJ 3102R 10SL 3P


Weald
ELECTRONICS

MIL-DTL-38999 SERIES I

- Aluminium lightweight scoop-proof, high density connectors with bayonet coupling
- Qualified to 500 mating cycles
- Signal, power, coax, triax, quadrax & optical contacts available
- Crimp removable contacts
- Different plating finishes available including Cadmium, Nickel & RoHS Compliant Zinc Nickel
- Wide range of piece parts held in stock to allow assembly to order with short lead times
- Full OPL Certification available at no extra cost

Typical part numbers: MS27467T15B35PN; 8LT515B35PN


SOURIAU

MIL-DTL-38999 SERIES III ALUMINIUM

- Lightweight scoop-proof, high density connectors with tri-start, self-locking screw coupling
- Qualified to 500 mating cycles
- Signal, power, coax, triax, quadraX & optical contacts available
- Wide range of piece parts held in stock to allow assembly to order with short lead times
- Full QPL Certification available at no extra cost
- Different finishes available including RoHS Compliant Zinc Nickel and Zinc Cobalt plating

Typical part numbers: D3899920WB35PN; 8D011W35PN; EN3645WOB35MN

SOURIAU


MIL-DTL-38999 SERIES III COMPOSITE

- Super lightweight connector, 25% to 30% lighter than the standard aluminium connector
- Qualified up to 1500 mating cycles
- Corrosion resistant (2000 hours salt spray)
- Scoop-proof, high density connectors with screw coupling
- Signal, power, coax, triax, quadraX & optical contacts available
- Cadmium & Nickel plated shells
- Wide range of piece parts held in stock to allow assembly to order with short lead times
- Full QPL Certification available at no extra cost

Typical part numbers: D3899926JA35SN; 8D509J35SN; EN3645J6AN35FN

SOURIAU


MIL-DTL-38999 SERIES III STAINLESS STEEL

- Stainless steel firewall scoop-proof, high density connectors with exclusive self locking system eliminates unscrewing during high vibration
- Qualified to 500 mating cycles
- Signal, power, coax, triax, quadraX & optical contacts available
- Wide range of piece parts held in stock to allow assembly to order with short lead times
- Full QPL Certification available at no extra cost
- Passivated & nickel plated finishes available

Typical part numbers: D3899926KA98SN; 8D509K98SN; EN3645K6AN98FN

SOURIAU


MIL-DTL-38999 PROTECTIVE CAPS

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

Typical part number: LMD70011101213

Weald
 ELECTRONICS


JVS MARINE BRONZE BS/CECC 75201-002

- Approved to IECO-CECC spec BS/CECC 75201-002
- Intermateable & intermountable with standard D38999 series III
- Signal, power, coax, triax, quadrax & optical contacts available
- Outstanding salt water corrosion resistance
- Signal & power contacts sizes 22D, 20, 16, 12, 8 & 4
- Scoop-proof nickel aluminium bronze alloy shells
- Shell-to-shell continuity by grounding fingers
- Additional seals allow protection to 3.9 meters
- Wide range of piece parts held in stock to allow assembly to order with short lead times

Typical part numbers: JVS16A1135PN; CECC 75201-002-AB35MCNA01G

SOURIAU



MIL-DTL-38999 SERIES III QUADRAx

- Robust MIL-DTL-38999 compliant threaded coupling system for use in high vibration applications
- Perfect connector solution for 100Mbit/s Ethernet or 150Ω fibre channel in harsh environments
- Contacts available in both 100Ω & 150Ω versions
- Contact size 8 and layouts in acc. with the European norm
- Contacts fit standard #8 cavities of 8D layouts (including mixed size layouts)
- Versatile shell materials: aluminium, composite, stainless steel and bronze
- Different plating finishes available including RoHS Compliant

Typical part number: 8D0021W84PN308

SOURIAU



MIL-DTL-38999 SERIES III ELIO

- Elio® high speed fibre optic connectors
- Housed in the circular MIL-DTL-38999 connector platforms
- Perfect connector solution for high speed network in harsh environments
- 1 - 24 contacts
- Easy to terminate & install contacts, with no special tooling required
- Versatile shell materials: aluminium, composite, stainless steel & bronze
- Different plating finishes available including RoHS Compliant Zinc Nickel & Zinc Cobalt
- Termination service available

Typical part number: 8D0E13F04BN

SOURIAU



FIBRE OPTIC CABLE ASSEMBLIES

- Termination & polishing of Elio high speed fibre optic connectors for use in MIL-DTL-38999 connectors
- Supply of Elio pigtailed & patch cords for Elio to SC/LC/FC/ST terminations



RANGE LMV MAINS POWER

- Manufactured to IEC0-CECC spec BS/CECC 75201-004 which includes the safety requirements of BS EN 60950 for safe use in mains applications & marked assemblies.
- Solder contacts • Brass shells
- 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 & 32A • Leading earth
- RoHS Compliant and cadmium free versions available as standard
- EMC 360° screen termination available

Typical part number: LMV 2154-1M3-MO



RANGE 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: LMH02A1404PN



MIL-DTL-38999 SERIES III POWER

- Based on the circular MIL-DTL-38999 connectors
- Max current rating: 45 & 80A
- Qualified to 500 mating cycles
- Versatile shell materials: aluminium, composite, stainless steel & bronze
- Different plating finishes available including RoHS Compliant Zinc Nickel & Zinc Cobalt plating
- Wide range of piece parts held in stock to allow assembly to order with short lead times

Typical part number: 8D0 21W48PN



MIL-DTL-38999 SERIES III HIGH POWER

- Threaded coupling connector with single power contact.
- 3 shell sizes available:
 - size 19: up to 500A
 - size 23: up to 700A
 - size 25: up to 750A
- Superior contact technology equipped with a silver plated braid
- Pin contact is equipped with a plastic cap to prevent electrical shock.
- RoHS Compliant Zinc Nickel and Zinc Cobalt plating finishes
- Wide range of piece parts held in stock to allow assembly to order with short lead times

Typical part number: 8D025WH1PNR1A



Lane
MOTORSPORT

WE'RE ON YOUR TEAM...
**HIGH-PERFORMANCE CONNECTORS
FOR MOTORSPORT APPLICATIONS**

VISIT WWW.LANEMOTORSPORT.COM FOR MORE INFORMATION ABOUT OUR PRODUCTS

8STA STANDARD

- Rugged Aluminium body to provide long service in the harshest environments
- Positive locking mechanism with locked colour indicators
- 5 shell styles
- Up to 128 contacts • 6 or 7 colour coded keyway orientations
- Size 02: the smallest circular connector with removable contacts #26
- Conductive black zinc or nickel plated
- Sealed to IP67 • Temperature range: -55°C to +175°C
- Integrated backshell for heat shrink boot
- Wide range of piece parts held in stock to allow assembly to order with short lead times

Typical part number: 8STA01204PN

SOURIAU


8STA HIGH DENSITY, PCB, POWER

- High density connectors
- Available in 5 shell sizes: 04-06; 06-09; 08-12; 10-26; 12-43
- Contacts #26 for AWG 24 to 30
- PCB connectors
- Derived from MIL-DTL-38999 & Eurofighter JN 1003
- Available in shell sizes 02 to 24 (12 sizes)
- Power connectors
- Size 4 contact which accepts wire sizes 8, 10, 16, 25 & 35 mm²
- Ideal for high power applications: Up to 200A continuous (12-01 spec. 261)
- Space & cost saving with mixed connector layouts

Typical part numbers: 8STA61243PN; 8STA21235PN571; 8STA01201PN261

SOURIAU


8STA/8TA DERIVED SERIES

- Quick release for steering boss system (Available in 2 shell sizes: 10 & 12)
- Blind mating plug (Ideal solution for quick connection in hard-to-reach areas, compensating for misalignment in 3 axis)
- Through bulkhead (Significant time saving advantage over conventional plugs & receptacles)
- Hermetic shell size 02 (The smallest hermetic circular 5 way PC tail connector on the market)
- Hermetic fuel tank (Excellent resistance to racing fuels & fluids - Viton® seal)
- Fuel immersible (Continuous immersion without loss of performance)

Typical part numbers: 8STA61235SN518; 8STA01201PSN500; 8STA1Y0205PN170

SOURIAU


micr 38999

For applications requiring high performance and miniaturized connectors for extreme environments

Same number of contacts
in a smaller connector!
50% shorter length
33% smaller diameter
3 TIMES lighter



- High grade thermoplastic insert
- Silicone elastomer grommet and sealing from -55° to 175°C



- Scoop proof



- Triple-start thread
- Contacts according to M39029
- EMI grounding



- 6 keyings



- Ratcheting system
- Vibration: 44 grms@125°C
- EMI shielding

ALTHOUGH SMALLER, MICRO38999 HAS ALL THE FEATURES AND EXCELLENCE OF D38999

8DA THREADED COUPLING

- Miniaturization of MIL-DTL-38999 Series III
- Triple-start thread with ratcheting system (size 5 & 7)
- Plug, in line, square flange & jam nut receptacle available
- 3 plating finishes • 3 shell sizes (3, 5 & 7)
- Qualified to 500 or 1000 mating cycles (dependent upon material)
- PC tails on request • Integrated backshell
- EMI ring (for size 5 & 7)
- Removable contacts #22D & #26 • Fluid resistant
- Wide range of piece parts held in stock to allow assembly to order with short lead times

Typical part number: 8DA503W05PN

SOURIAU


8BA BREAK AWAY

- Break away: quick disconnect
- Plug, in line and jam nut receptacle available
- 3 plating finishes • 3 shell sizes (3, 5 & 7)
- Qualified to 500 or 1000 mating cycles (dependent upon material)
- PC tails on request
- Integrated backshell
- Removable contacts #22D & #26
- Fluid resistant
- Wide range of piece parts held in stock to allow assembly to order with short lead times

Typical part number: 8BA105F35SN

SOURIAU


8LTA BAYONET COUPLING

- Miniaturization of MIL-DTL-38999 Series I
- Quick bayonet locking
- Plug, in line, square flange, oval flange & jam nut receptacle available
- 3 plating finishes • 3 shell sizes (3, 5 & 7)
- Qualified to 250 or 1000 mating cycles (dependent upon material)
- PC tails on request
- Integrated backshell
- Removable contacts #22D & #26 • Fluid resistant
- Wide range of piece parts held in stock to allow assembly to order with short lead times

Typical part number: 8LTA103Z35PA

SOURIAU


D38999 USB / RJ45

- High reliability USB & RJ45 Connector Systems for harsh environments
- MIL-DTL-38999 series III derived polarized shell, with fast & secure coupling
- Data Transmission:
 - USB - High-Speed (2.0) 480Mbit/s
 - RJ45 - Cat 5e per ISO/IEC 11801 or RJ45 - Cat 6a (10Gb)
- Sealed to IP68 for fluid & dust laden environments
- High levels of shock, vibration & mechanical impact protection
- Full 360° EMC & mechanical protection
- Fully enclosing aluminium, marine bronze & stainless steel shells
- Titanium & composite options for reduced weight

Typical part number: PC4F0016-15NY-1-C



BACKSHELLS & ADAPTORS

An extensive range of accessories for all standard military circular connectors, as well as most rectangular or non-circular connector types.

- Non screened and screened circular adaptors
 - machined from solid material
 - straight, 45° and 90° options
 - compatible with MIL-Spec dimensions and performance
- Rectangular adaptors
 - wide choice of styles
 - Cat 5e RJ45, USB-A and USB-B
 - fully screened and mechanically shrouded design
- Heat Shrink Kits
 - for screened and unscreened options
 - high screening performance (90db to 300MHz)
- Protection Covers, Blanking Caps and Dummy Receptacles



BACKSHELLS & ADAPTORS

A complete range of connector accessories suitable for a wide variety of connectors.

- Shrink boot adaptors
- Shorting cap backsells
- Extender and transition backsells
- G-Spring backsells
- Environmental and non-environmental backsells
- Owlk-Ty strain reliefs
- EMI/RFI backsells both environmental and non-environmental
- Banding and crimp ring screen termination backsells
- Micro D backsells
- D subminiature backsells
- Backsells without strain relief



SM/SMA SERIES

- Robust sub-miniature plastic bodied
- 1, 2 & 3 contacts
- 3, 7 & 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

Typical part numbers: SM1S, SMA1P



SMC SERIES

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

Typical part number: SMC 310



GH, LGH, MGH SERIES

- Twist Spring™ locking device
- Miniature & microminiature sizes available
- Solid machined contacts for high reliability
- Available in straight solder & solder cup terminations
- Variety of available cable adaptors
- Range of contact variants
- Contact current ratings to 7.5A nominal

We reserve the right to supply an alternative product from a different manufacturer. Any alternative will be dimensionally identical and will have the same performance specification.

Typical part numbers: MGH3FSCLR7, GH5FSCLR16



C16-1 / C91 SERIES

C16-1 SERIES

- Ruggedised, screw coupling plastic bodied
- IP67 rated
- 2 contact arrangements
- 3 + earth rated at 16A
- 6 + earth rated at 10A

Typical part number: T3108 000

C91 SERIES

- IP40 rated lightweight circular connectors
- Split die cast shell with screw coupling
- Solder terminations
- 10 contact arrangements
- 1-8 rated at 5A
- 12 & 14 rated at 3A

Typical part number: T3260 001



XLR, speakCON, powerCON

XLR cable & chassis connectors

- Easy to assemble, simple to use, reliable & robust system, optimized for proaudio, lighting and industrial applications

SpeakON lockable loudspeaker connectors

- Industry-standard connectors for amplifier / loudspeaker connections.
- The entire family of 2, 4 and 8 pole connectors has been designed to operate in high current, inductive load environment of loudspeakers

PowerCON® - Three way AC connectors

- Neutrik's powerCON series includes lockable, extremely robust and reliable 3 pole equipment (AC) connectors

Typical part number: NC3FXX, NL2FX, NAC3FCA



opticalCON, etherCON

opticalCON - Fibre optic connectors

- Based on LC connectors but eliminates its weakness & guarantees a safe, dust protected & rugged connection
- Compatible with conventional LC connectors

etherCON - RJ45 connectors

- Ruggedized and lockable RJ45 connector system, optimized for pro-audio, video & lighting network applications
- Diecast shell & unique chuck type strain relief
- Allows assembly of preassembled conventional RJ45 cables

Typical part numbers: NO2-4FDW-A, NE8MC



R04, R28 & PRC SERIES

R04 SERIES

- hermetically sealed (glass to metal)
- water-proof up to 20 meters
- 2 - 12 ways
- 2A at 150, 200 & 300V AC rms
- Temp. range - 25°C to + 85°C

R28 SERIES

- water-proof up to 20 meters
- 8 & 12 ways
- 2A at 100V AC rms
- Temp. range - 25°C to + 85°C

PRC SERIES

- Push-pull ball bearing coupling
- 2 - 37 ways
- 2 - 10A current rating
- 150, 200, 350, 400 & 600V AC rms
- Temp. range - 25°C to + 85°C



TWIST LOCK

- DIN Twist lock coupling connectors for low-cost applications
- Life 500 insertion cycles
- Power rating/contact:
Cord plugs & receptacles: 3A/34V (peak) additional current carrying contacts 1.5A
Speaker plugs & receptacles: 2A/34V (peak)

Typical part number: 71206 - 050



COAXIAL CABLES

Comprehensive range of RG and proprietary coax cables including:

- ENVIROFLEX™ family are halogen free & flame retardant
- RG 174, RG 316, RG 214, RG 223, KO 2252-D (RD 316), RG 400, RG 179
- SPUMA 195, 240, 400 and 600
- Foamed Polyethylene dielectric cables
- Low smoke zero halogen cables
- Low smoke triaxial cables
- Semi-rigid cable, (various sizes, materials and impedance)
- SUCOFORM - Hand formable semi-rigid cable
- MULTIFLEX - Flexible cable with semi-rigid characteristics
- CORRUGATED cables



CABLE ASSEMBLIES

HUBER+SUHNER have an extensive manufacturing capability both in the UK and globally to build customer specified coaxial, fibre optic, power & signal cable assemblies & harnesses:

- Flexible RF assemblies up to 18GHz
- Semi-rigid and hand formable RF assemblies up to 18GHz
- Flame retardant
- Fibre optic patch cords
- Fibre optic cable assemblies
- Power and signal harnesses
- Multi-technology harnesses



MICROWAVE CABLES

High performance cable assemblies from HUBER+SUHNER for various applications ranging from Test + Measurement to Military & Space grade.

- Low loss microwave cable assemblies
- High power
- Phase stable
- Armoured cables
- Low weight sucoflex 300 series (space grade etc...)
- Flexible
- High frequency >60GHz depending on types
- Phase matched sets
- EACON microwave cable with field terminable connectors up to 18GHz



TEST + MEASUREMENT

- Microwave test cables up to 8GHz
- Coaxial test leads
- EMC test leads
- Coaxial adaptors
- Quick mate adaptors
- Phase matched adaptors
- Low PIM adaptors
- PIM standard
- Coaxial terminations and attenuators
- Power coaxial terminations attenuators
- Test kits



MICRO MINIATURE

- MMBX** - board-to-board connectors, impedance 50Ω, frequency up to 12.4GHz, minimum board-to-board distance 6.7mm
- MBX** - board-to-board connectors, impedance 50Ω, frequency up to 8GHz, fulfils axial misalignment 1.2mm (best in class)
- MMCX** - micro miniature snap-on connectors, impedance 50Ω, frequency up to 6GHz, low RF-leakage thanks to non-slotted outer contact
- MCX** - micro miniature snap-on connectors, impedance 50Ω & 75Ω, frequency up to 6GHz, tested according to international standard CECC 22220
- MMPX** - micro miniature snap-on precision connectors, the most ideal coaxial-to-PCB solution for operating frequencies up to 67GHz and data rates up to 80 Gbps



SUBMINIATURE

- SMB** - snap-on connectors, imp. 50Ω, frequency up to 4GHz
- SMC** - screw-on connectors, imp. 50Ω, frequency up to 10GHz
- SMS** - slide on connectors, imp. 50Ω, frequency up to 4GHz
- SMA** - subminiature A screw-lock connectors, imp. 50Ω, frequency up to 18GHz
- PC3.5** - screw-lock connectors, (3.5mm), impedance 50Ω, frequency up to 26.5GHz
- SK** - precision connectors for microwave applications up to 40GHz, intermateable with series SMA & PC3.5
- 1.0/2.3** - coaxial inserts according to DIN 41626/2, imp. 50Ω, frequency up to 4GHz



MINIATURE, MID-SIZE & HIGH VOLTAGE

- BNC** - bayonet lock connectors, impedance 50Ω (up to 4GHz) & 75Ω (up to 1GHz) ideal for frequently coupled RF connections
- TNC** - screw lock connectors, impedance 50Ω (up to 11GHz) & 75Ω (up to 1GHz)
- BNO** - bayonet lock connectors, twinaxial - two contacts, impedance 75Ω to 130Ω (up to 200MHz), for use with balanced twin-conductor cables
- BNT** - bayonet lock connectors, triaxial - three contacts (inner conductor, inner screen and outer screen), for use with triaxial cables up to 3GHz
- SHV** - high voltage (3.5kV) connectors, impedance 50Ω (up to 300MHz)
- MHV** - high voltage (1.6kV) connectors, impedance 50Ω (up to 300MHz)
- N** - mid size screw lock connectors, impedance 50Ω (up to 18GHz) & 75Ω (up to 1.5GHz)
- 7/16** - large size screw lock connectors, impedance 50Ω, frequency up to 7.5GHz



QMA + QN

The Snap-on alternative to SMA and N Type connectors. Save cost through reduced production time & a reduced probability of failures in production with HUBER + SUHNER QMA:

- QMA similar performance to SMA connectors
- Range extends to 18GHz however most QMA types optimised for 6GHz
- QN similar performance to N type connectors
- Range extends to 11GHz however optimised to 6GHz
- User friendly, fast & secure mounting
- Higher packing density possible
- Significant assembly time reduction



LIGHTNING PROTECTION

Protect your valuable RF equipment against unnecessary damage from electromagnetic pulses generated by lightning or NEMP. Reduce cost & gain peace of mind using HUBER+SUHNER protectors.

- Quarter wave stub types - Narrow band, low residual pulse
- Gas capsule types - Wide band, various power ratings
- Fine protection (GPS protection)
- Range of connector types available N, 7/16, BNC, TNC and SMA
- DC block, DC injection, high pass filters • Data-line Protectors; CAT 5/6
- Bulkhead, stud & clamp mounting options
- Application including: Military and Commercial Comms, Navigation, GPS, Cellular, Wireless LAN and ETHERNET.



ANTENNAS

Range of antennas suitable for indoor & harsh environments:

- Wi-Fi Omni & Planar antennas (2.4GHz / 5GHz bands)
- SPOT-S Wi-Fi antennas for industrial & harsh environments
- RFI antennas
- Ultra broadband antennas for in building coverage and DAS
- Sencity@Rail broadband antennas for rail & metro vehicles
- Sencity@Road broadband antennas for road vehicles



VARIOUS RF PRODUCTS

- MMBX - board-to-board connectors, impedance 50Ω, frequency up to 12.5GHz
- QMA - quick connection, snap-on connectors, impd. 50Ω, frequency up to 18GHz
- QN - quick lock N connectors, impedance 50Ω, frequency up to 11GHz
- BNC HT/SHV - bayonet lock connectors
- TNC - screw-on connectors (11GHz)
- SSMA - screw-on connectors (18GHz)
- N - screw-on connectors (11GHz)
- Coaxial terminations and attenuators



RANGE BA

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

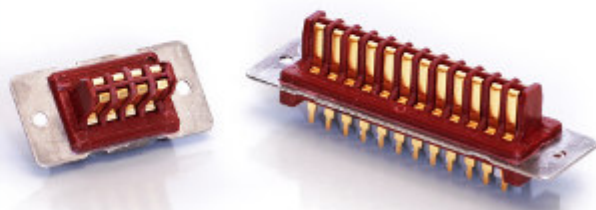
Typical part number: BA7PH

Weald
ELECTRONICS


RED RANGE

- 8, 16, 24 & 32 contacts
- 5A current rating
- Working voltage 800V DC or AC peak
- Barrier or dowel polarized
- Top and side entry covers
- Available for use with barrier polarization

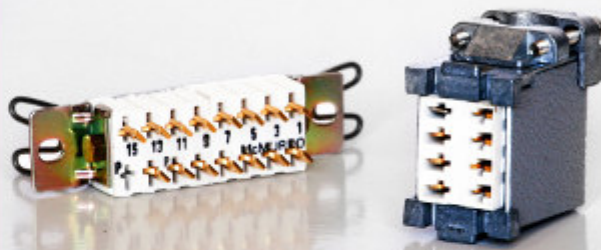
Typical part number: RP16

ITW McMurdo
Connectors


700 SERIES

- Approved by BT against styles 202 & 203
- 11 sizes
- All sizes are fitted with polarizing facilities in the end cavity
- Equivalent to Plessey 159 series
- As an alternative termination style a PC tail is also available for sockets fitted with mounting brackets
- Originally used in a wide range of telephone equipment

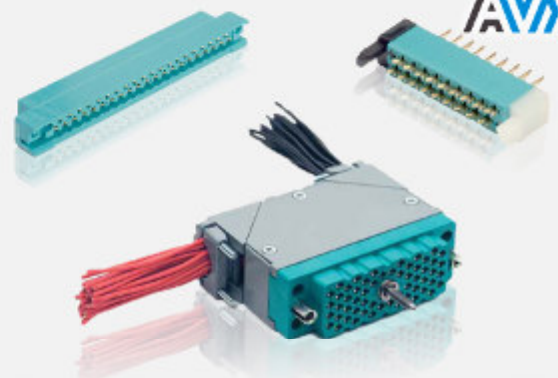
Typical part number: 700 3450 195

ITW McMurdo
Connectors


VARICON SERIES 8016

- Hermaphroditic contacts
- Number of Contacts – 20, 38, 56, 90 & 120
- Current rating – 8.5A (10 contacts) max
- Pitch – 0.13"/3.3mm x 0.15"/3.81mm
- Voltage rating – 250V
- D.W. Voltage – 1250V rms min

Typical part number: 00 8016 120 217 903

AVX


SRE SERIES 8097, MRA / MRE SERIES 8098, MRAC SERIES 8099

Sub-miniature

- 7 to 104 contacts (crimp, solder, wire wrap or coaxial contacts available)
- 5, 7.5 or 13A current rating
- Working voltage 250, 700 or 750V DC or AC peak
- Extensive range of accessories

We reserve the right to supply an alternative product from a different manufacturer.
Any alternative will be dimensionally identical and will have the same performance specification.



POWER CONNECTION SYSTEMS

PLA, PLB, PLC, PLAH, PLBH, PLCH, PLB3W3, PLS, PLSH, PLB10W2, PLC16W4

- Size 16 power contacts rated to 42A each
- Board to board, cable to cable or board, panel to cable or board
- Blind mating, integral locking system, sequential mating
- Size: 10.36 x 28.60 to 20.37 x 63.65 mm; 14 contact variants
- Wide variety of accessories/options
- RoHS & non-RoHS Compliant versions available (for non-RoHS omit suffix /AA)

Typical part number: PLB0600050/AA



SCORPION SERIES

SP, LSP, PICMG 3.8 ACTA ZONE 3 CONNECTOR

- Modular tooling produces a one-piece insulator
- 35+ modules allows customers nearly limitless pin configurations
- Signal contacts mixed with power contacts rated to 80A each
- Board to board, cable to cable or board, panel to cable or board
- Blind mating, integral locking system, sequential mating, cooling vents, A.C. spacing
- Wide variety of accessories/options
- RoHS & non-RoHS Compliant versions available (for non-RoHS omit suffix /AA)

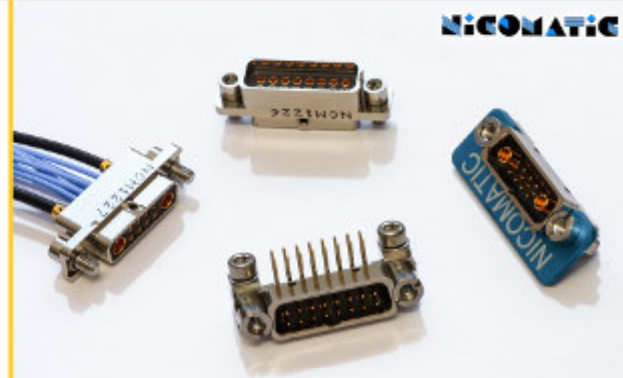
Typical part number: SP3EYYN3KN2ANBBC1F000/AA



DMM SERIES MICRO D-MIX

- High levels of performance in harsh environments, space saving and flexibility for the design
- Compliant or exceed MIL-DTL-83513G & dedicated to cable and PCB applications.
- 2mm pitch, from 1 to 4 rows, from 2 to 120 contacts shell size
- On cable, straight PCB & right angle PCB version available
- I/O connector, board to board, board to cable & cable to cable versions
 - Low frequency (LF): 3A
 - High frequency (HF): 6GHz
 - High power (HP): 5/8/10/15/20A

Typical part number: D222SP08D530101-4310

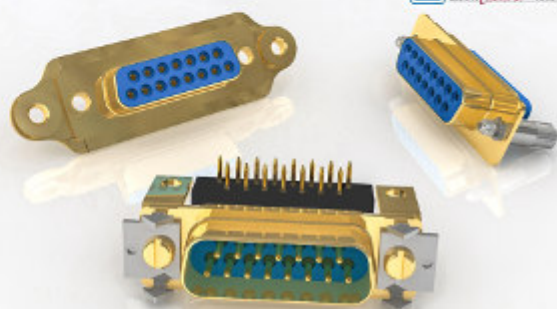


STANDARD DENSITY D SUB-MINIATURE

MD, MDX, ED, SD, HDC, RD, ORD, AD, HAD, M24308

- High reliability
- Six package sizes
- 9-50 size 20 contacts
- 14A current rating (per contact)
- Multiple performance options for best cost/performance ratio
- Board to board, cable to cable or board, panel to cable or board
- RoHS & non-RoHS Compliant versions available (for non-RoHS omit suffix /AA)

Typical part number: MDX25S5R700X/AA



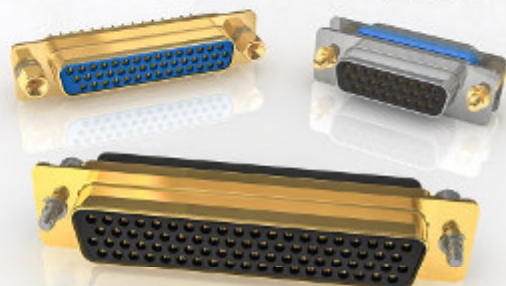
POSITRONIC
GLOBAL CONNECTIVITY SOLUTIONS

HIGH DENSITY D SUB-MINIATURE

ODD, DD, DAD, M24308

- High reliability
- Six package sizes
- 15-104 size 22 contacts
- 10A current rating (per contact)
- Multiple performance options for best cost/performance ratio
- Board to board, cable to cable or board, panel to cable or board
- RoHS & non-RoHS Compliant versions available (for non-RoHS omit suffix /AA)

Typical part number: DD78M1000C/AA



POSITRONIC
GLOBAL CONNECTIVITY SOLUTIONS

STANDARD DENSITY COMBO D

CBD, CBM, CBC, CBDP, QB, ACBDP, ACBMP

- High reliability
- Six package sizes
- 22 contact variants
- Up to 100A current rating (per contact)
- Power, signal, coax, high voltage, air & thermocouple contact options
- Board to board, cable to cable or board, panel to cable or board
- Wide variety of accessories/options including blind mate & sequential mating
- RoHS & non-RoHS Compliant versions available (for non-RoHS omit suffix /AA)

Typical part number: CBD21WA4M2S5000/AA



POSITRONIC
GLOBAL CONNECTIVITY SOLUTIONS

HIGH DENSITY COMBO D

CBDD, CBHD, CBCD

- High reliability
- High density
- Multiple package sizes & contact variants
- Size 22 contacts mixed with size 8 power contacts rated to 80A each
- Power, signal, coax, high voltage, air & thermocouple contact options
- Board to board, cable to cable or board, panel to cable or board
- Wide variety of accessories/options including blind mate & sequential mating
- RoHS & non-RoHS Compliant versions available (for non-RoHS omit suffix /AA)

Typical part number: CBCD8W2F0000S/AA



POSITRONIC
GLOBAL CONNECTIVITY SOLUTIONS

ENVIRONMENTALLY SEALED

WD, WDD, EVD, MD, ODD

- High reliability
- Water & dust ingress protection to IP67
- Standard & high density options
- 9-104 contacts
- Sealed panel mount options with cable & PCB mount terminations
- Sealed cable options
- Corrosion protected & corrosion resistant options
- RoHS & non-RoHS Compliant versions available (for non-RoHS omit suffix /AA)

Typical part number: ODD15F0000X/AA



HIGH DENSITY D SUB-MINIATURE

- Five industry standard shell sizes providing up to 78 contacts
- A choice of four termination styles including crimp
- Tinned & dimpled shell as standard - for enhanced electrical continuity & effective EMI/RFI shielding
- Threaded inserts - enable quick assembly of mounting hardware to 90° p.c. versions
- Solder bucket, straight p.c. and crimp termination

Typical part number: HDE15PTD



VARIOUS D SUB-MINIATURE

CRIMP D

- Full or partial loading of selectively plated stamped & formed contacts

STANDARD / BUDGET D

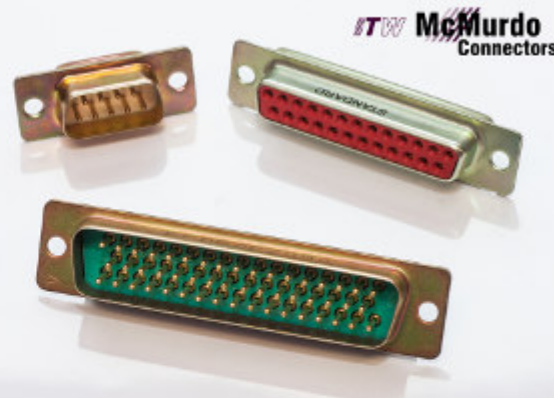
- Precision turned contacts in two performance levels: Standard D offering a maximum of 500 operations, Budget D offers 300 operations

SPECIAL LOW COST D

- D connectors utilising stamped and formed or turned contacts

MONOBLOC D

- A range of mixed layout Monobloc D's which offer the ability to integrate signal, coaxial, high voltage & high power within the connector thus effecting space saving with diverse mounting options.



D ACCESSORIES

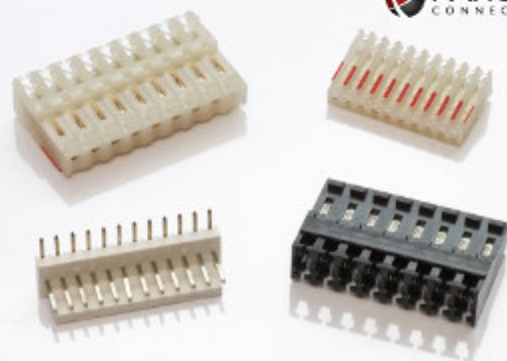
- Accessories to support D-subminiature use in a variety of applications
- Accessories to support ease of placement into manufacturing
- Lightweight aluminum cable adaptors
- Low cost, high performance shielded hoods
- Ethernet/Thinnernet shielded hoods
- Full range of plastic & metallized plastic hoods
- Complete range of screwlocks, slidlocks & jack post
- Compatible with all industry D Subs



MAS-CON IDC

- IDC connector system on 0.1" or 0.156" (2.54mm or 3.96mm) pitch
- 2 to 36 contacts • Straight and right angled versions
- The ideal board-to-board power connector system capable of handling up to 12.5A
- PCB mounted male headers • Polarisation & locking options
- Female sockets pre-loaded with insulation displacement contacts (reduces installation costs) on a 0.1 or 0.156" pitch and can terminate from 18 to 28 AWG discrete or flat wire cable wires
- High temperature version available up to 170°C
- Through & end terminations available • Optional snap on covers
- Standard & custom assembly tooling available • ISO9001/TS16949

Typical part numbers: MFSS-100-10-C, CE100-F-24-12-C



PANCON
CONNECTORS

LAT-CON DIN 41651 (IEC 60603-13)

- IDC connector system for round conductor flat cable
- 0.1" (2.54mm), 0.787" (2.00mm) or 0.05" (1.27mm) pitch
- 6 to 64 position connectors
- Patented lateral cable entry for faster termination and reduced scrap rates
- The same connector can be used for either through or end terminations
- Unique latching system enables the latched header to mate with a socket with or without strain relief
- Full line of accessories available
- Ribbon cable or discrete wire capability
- Gold or tin plating finishes • ISO9001/TS16949

Typical part number: 050 020 133A



PANCON
CONNECTORS

HI-CON DIN 41612 (IEC 60603-2)

- 0.1" (2.54mm) or 0.2" (5.08mm) pitch
- B, 1/2B, C, 1/2C, C+I, D, E, F male-female, dual wipe contact
- Custom capability
- Wide range of termination lengths & methods
- Contact performance level 2, 400 mating cycles
- High performance CuSn contact
- Male and female connectors can have mounting clips
- Interchangeable with other DIN 41612 products
- RTF female version
- ISO9001/TS16949

Typical part number: 100 064 452

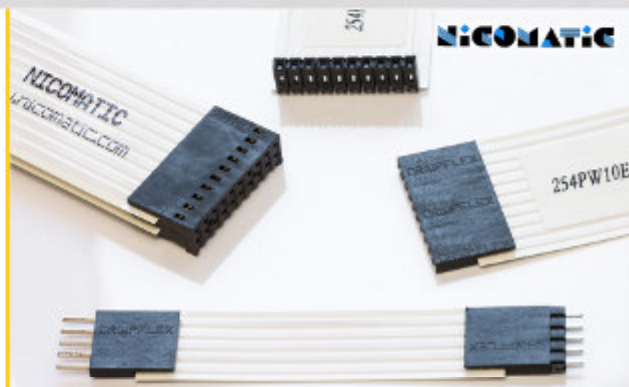


PANCON
CONNECTORS

CRIMPFLEX CONNECTORS AND CABLES

- Crimping of the contacts is obtained by piercing the conductor in 6 points
- Copper conductors, silver or carbon ink printed conductors, EL lamps
- All types of flexible circuits whose thickness ranges from 75 μ to 350 μ (0.003" to 0.014")
- Can pierce all kinds of supports: polyester, FR4, polyimide, PTFE, etc.
- Mass termination of all contacts in one press stroke which saves time and allows more accuracy
- Connectors operating temperature -55°C to +150°C
- Withstanding voltage 1100V rms
- Current rating per contact 3A continuous (DC) or 5A Continuous (AC)

Typical part number: 254PW10E0060-S1F57B



NICOMATIC

PRESS FIT DIN 41612

- High temperature
- Selective plating
- Ground contacts
- Retention clips
- Contact variations pc solder, wire wrap, crimp, IDC, hand solder, press fit, coaxial, power contact
- Selective loading
- Sequential contact mating
- Flux resistant
- Military variations

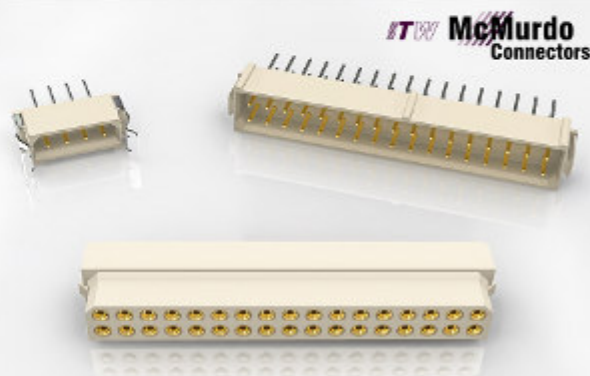
Typical part number: 108458096031025



MICRONECTOR 200

- Design 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 & 90° p.c. terminations
- Female straight p.c. & crimp terminations
- For board-to-board or cable-to-cable applications

Typical part number: 202F16T01U



MICRONECTOR 300

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

Typical part number: 301 M27T03A00

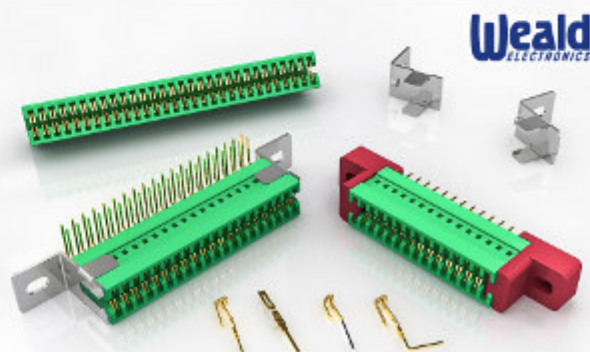


EDGE CARD PCB BOARD TO BOARD

Single part edge card connectors designed for applications requiring two or more pcb's to be connected & readily removed.

- Formerly manufactured by ITW McMurdo
- 0.1"/2.54mm pitch
- Fixed or replaceable contacts
- Cut to any size from 4 to 170 contacts double sided
- Solder for discrete wire, straight pc and wire wrapping terminations
- Cantilever or bifurcated contacts
- Suitable for vapour phase soldering
- Plastic or metal end feet & polarising keys

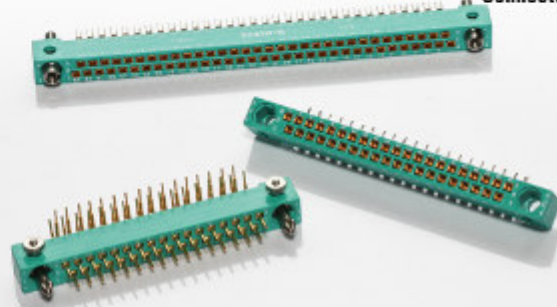
Typical part number: C547120Q15DLA6



801

- 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 & female
- Brass & stainless steel guides

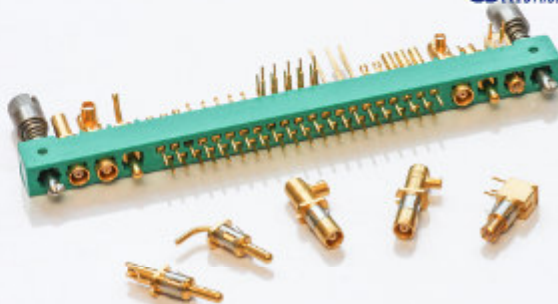
Typical part number: 801M72FREEYMGD

ITW McMurdo
Connectors


801CX

- 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

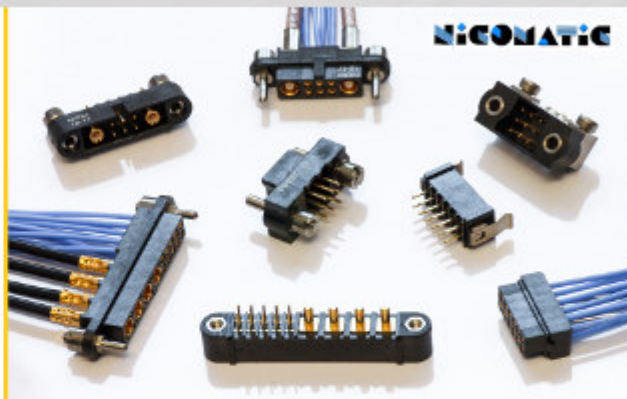
Typical part number: 801CXF07FREENG

Weald
ELECTRONICS


CMM SERIES

- 2mm pitch connector (square matrix) with proven high reliability under the most extreme environmental conditions
- Flexible architecture: "board to board", "board to wire" and "wire to wire" configurations
- Modular and hybrid design: mixed layout full option with Low Frequency LF (over 5A) and High Frequency HF (over 11GHz) and High Power HP (over 30A)
- High reliability contact design & High performance under harsh use conditions
- Secure: integral jacking mechanism or locking by spring latch
- Cost effective solution: custom connector assembly from standard components
- Proven success stories in on-board electronic systems
- Full traceability with EN9100:2003

Typical part number: 222C18M12-0303-2312ZS

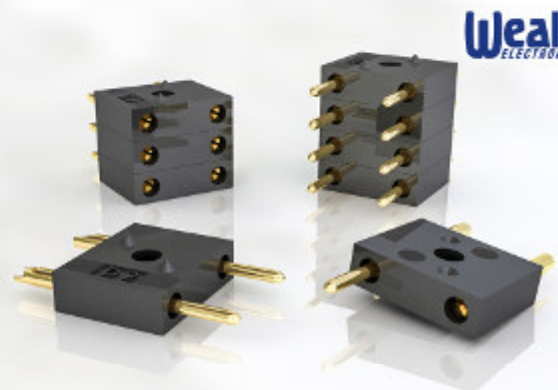
NICOMATIC


RANGE D2

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

Weald
ELECTRONICS


BINDER CONNECTORS

CLEARANCE STOCK

Having for many years been active distributors for BINDER connectors, we still hold significant stocks of a number of types e.g. 710, 711, 712, 719, 720, 723, 423, 680/2 all of which are available at very keen prices.

Call for advice on stocks and prices.



ICORE CONNECTORS

CLEARANCE STOCK

Having for many years been active distributors for ICORE connectors, we still hold significant stocks of a number of types e.g. CB, BPD.T and SPD.T all of which are available at very keen prices.

Call for advice on stocks and prices.

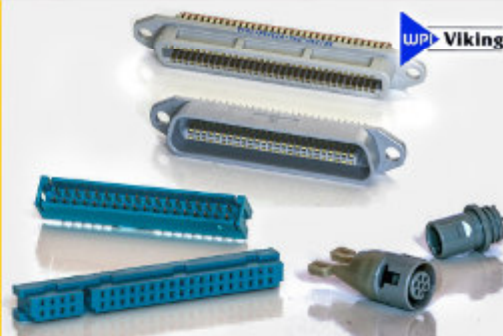


VIKING CONNECTORS

CLEARANCE STOCK

Having for many years been active distributors for VIKING connectors, we still hold significant stocks of a number of types e.g. VITEL, VSBX and THORKOM all of which are available at very keen prices.

Call for advice on stocks and prices.



TRANSRADIO CONNECTORS

CLEARANCE STOCK

Having for many years been active distributors for TRANSRADIO RF connectors, we still hold significant stocks of a number of types e.g. BN, CBN, GD, O & TBN, all of which are available at very keen prices.

Call for advice on stocks and prices.



PLESSEY CONNECTORS

CLEARANCE STOCK

Having for many years been active distributors for PLESSEY connectors, we still hold significant stocks of a number of Multicon, Heavy Duty Multicon, Standard Breeze, 159 Series and UKAN, all of which are available at very keen prices.

Call for advice on stocks and prices.



CONDITIONS OF SALE

1. Definitions
 - 1.1 In these conditions, the following words shall have the following meanings:-
'Seller' means Lane Electronics Ltd and its servants and agents. 'Buyer' means the person, firm or company to whom the Seller's quotation is sent or by whom the Order is placed, and their servants and agents. 'Order' means the Order placed by the Buyer for the Goods. 'Goods' shall mean the items and services referred to in the Seller's quotation and/or in the Order.
2. Application of these conditions of sale
 - 2.1 Unless otherwise agreed in writing by the Seller, these Conditions of Sale shall apply to and govern all contracts for the sale and supply of Goods, and all Orders are accepted in accordance with these Conditions of Sale. Any counter-offer made or conditions issued by the Buyer, whether before or after the Buyer has notice of these Conditions of Sale, shall be of no effect and shall be treated as not having been accepted by the Seller, even if the Seller returns to the Buyer a document containing the Buyer's counter-offer or conditions.
 - 2.2 In any event acceptance of the Goods shall be deemed unqualified acceptance of these Conditions of Sale.
3. Acceptance
 - 3.1 Any quotation, unless it provides otherwise, is open for acceptance for a period not exceeding 30 days, after which period the quotation is open to revision.
 - 3.2 An order cannot be cancelled except by written agreement.
4. Price
 - 4.1 Prices quoted are exclusive of VAT and exclusive of delivery, packing and carriage charges and expenses, which shall be charged extra. A quoted price is only applicable to the specific Goods referred to in the quotation.
5. Delivery
 - 5.1 All times quoted for delivery or for making Goods available for collection are given in good faith but are estimates only.
 - 5.2 The Seller will not be under any liability if delivery or availability for collection are delayed beyond the quoted times for any reason.
 - 5.3 In any event time for delivery, if it be agreed as a term of the contract, shall not be of the essence unless this is expressly agreed in writing by the parties.
6. Payment
 - 6.1 Payment by the Buyer is due by the end of the calendar month following the month in which the invoice for the Goods is dated. Time for payment shall be of the essence.
 - 6.2 Failure to make payment when due entitles the Seller to withhold delivery under any contract between it and the Buyer until payment has been made.
7. Reservation of title
 - 7.1 Risk in the goods shall pass to the Buyer when the Goods are delivered to, or collected by, the Buyer.
 - 7.2 The goods shall remain the property of the Seller until payment in full is made by the Buyer for all sums due under all contracts between the Seller and the Buyer.
 - 7.3 The Buyer shall hold Goods property in which remains in the Seller as bailee and fiduciary for the Seller, shall store such Goods in such a way that they can be identified as the Seller's property, and shall keep such goods separate from the property of the Buyer and any other person.
 - 7.4 At any time whatsoever the Seller shall be entitled to recover Goods property in which remains in the Seller. The Buyer grants to the Seller an irrevocable licence to enter any premises where such Goods are kept in order to recover the same.
8. Fitness, shortages, damage in transit, non-delivery
 - 8.1 All orders are accepted on the condition that the Buyer has used its own skill and judgment to ascertain that the Goods are reasonably fit for any particular purpose for which they are being bought and the Buyer has not relied on any skill and judgment of the Seller.
 - 8.2 The Buyer shall wherever possible, inspect the Goods immediately upon delivery. Where the Goods are not so inspected the Buyer shall mark the carrier's note or other appropriate note "Not Examined".
 - 8.3 The Seller accepts liability for shortages and Goods damaged in transit only if notified in writing of such shortages or damage by the Buyer with full particulars within 7 days of delivery of the Goods, and only if, in the case of Goods damaged in transit, the Goods and their wrappings are retained for inspection by the Seller.
 - 8.4 The Seller accepts liability for non-delivery if Goods consigned only if notified in writing of non-delivery by the Buyer within 7 days of the date of the invoice for the Goods.
 - 8.5 In any event the liability of the Seller in respect of shortages, goods damaged in transit and non-delivery of Goods shall be limited to replacing the Goods in question or, at the absolute discretion of the Seller, to refunding the price of the Goods insofar as the same has been paid.
9. Guarantee
 - 9.1 Subject to observance by the Buyer of the terms of payment and all other obligations of the Buyer, the Seller guarantees that it shall replace, or, at its absolute discretion, repair any goods in which defects appear under within 90 days of delivery or collection if the Seller is notified in writing by the Buyer of the defects as soon as these are discovered.
 - 9.2 The guarantee only covers defects due to faulty material or workmanship. It does not cover defects caused by wear and tear abnormal conditions of working, accident, misuse, or repairs or modification of the Goods carried out by or on behalf of the Buyer without the Seller's written approval.
 - 9.3 The Seller warrants that it has title in and the unencumbered right to sell the goods.
10. Limitation of liability
 - 10.1 The Seller shall not be liable for any consequential or indirect loss suffered by the Buyer whether this loss results from a breach of duty in contract or in tort or in any other way (including loss resulting from the Seller's negligence) such loss include: loss of profits, loss of contracts, loss of goodwill, damage to property of any person (buyer included), personal injury to or death of any person (buyer included) except insofar as personal injury or death results from the negligence of the Seller.
 - 10.2 In any event the Seller's total liability for any one claim or for the total of all claims arising from any one act shall not exceed the price of the Goods that are the subject matter of the transaction or act giving rise to the claim or claims.
 - 10.3 Nothing in these conditions affects the Seller's liability for death or personal injury resulting from its negligence, which liability the Seller accepts.
11. Electro-magnetic compatibility
 - 11.1 Unless expressly otherwise agreed by the Seller, the Buyer shall be wholly responsible for ensuring that Goods are used in such a manner as to ensure compliance with all laws and regulations, including Directives on Electro-Magnetic Compatibility such as Directive 89/336/EEC and its equivalent for Telecommunications equipment.
12. General
 - 12.1 Any question relating to any quotation or any contract subject to these conditions of sale or agreed amendment thereof shall be determined by and in accordance with English law.
 - 12.2 In the event that any of these Conditions of Sale shall be determined to be invalid or unlawful or unenforceable to any extent such Conditions of Sale shall be severed from the remaining Conditions of Sale which shall continue to be valid and enforceable to the fullest extent permitted by the law.

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