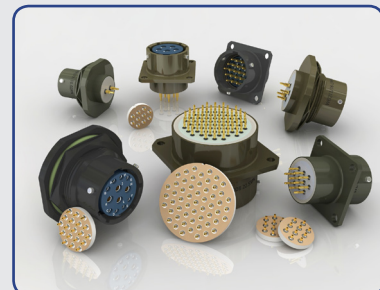




MILITARY | AEROSPACE | INDUSTRIAL

PRODUCT RANGE



ABOUT US

VGL Impex Pty Ltd, trading as Allied Connectors, is an Australian based distributor of industrial electrical components and complementary products. Established in 1989, we strive to provide expert advice and outstanding service to both local and international markets.

- > **MILSPEC AND INDUSTRIAL CONNECTORS**
- > **CABLE CHAIN AND CONDUIT**
- > **TERMINALS AND SWITCHGEAR**
- > **COPPER AND ALUMINIUM CONNECTIONS**



Amphenol



walther

SOURIAU



CAPABILITIES

- > GLOBAL SUPPLIER NETWORK
- > TECHNICAL EXPERTISE
- > APPLICATION SUPPORT
- > CONNECTOR DESIGN
- > CABLE ASSEMBLY SERVICES
- > CUSTOM CABLE DESIGN AND PRODUCTION

ACCREDITATIONS

ISO 9001:2008 QUALITY MANAGEMENT SYSTEM

AUSTRALIAN INDUSTRY DEFENCE NETWORK MEMBER

DEFENCE RECOGNISED SUPPLIER

ENERGY SAFE VICTORIA - COMPLIANCE OF 3-PHASE/SINGLE
PHASE CONNECTORS TO AS/NZS 3123:2005

CERTIFIED IPC SPECIALISTS:

IPC/WHMA-A-620B (REQUIREMENTS AND ACCEPTANCE
FOR CABLE AND WIRE HARNESS ASSEMBLIES)



5015 SERIES (BASED ON Mil-DTL-5015)

3-Phase



ESV Approved connectors - certified for low voltage electrical installation

5-pin connector with one dedicated earth contact with mate-first/break-last features, positively connected to the body of the connector

Panel mount, cable connecting, straight & right angle, jam nut/in-line

Single Phase

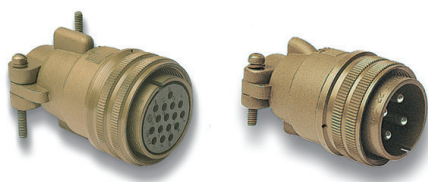


ESV Approved connectors - certified for low voltage electrical installation

3 -pin connector with one dedicated earth contact with mate-first/break-last features, positively connected to the body of the connector

Panel mount, cable connecting, straight & right angle, jam nut/in-line

Mil-DTL-5015



Threaded coupling

Aluminium alloy shell with various plating options

Solder / Crimp contacts; gold/silver plated; 1 - 104 contact arrangements

Operating Temperature: -55°C to 125°C

Current / Voltage Rating: 10 - 150 A, 250 - 4200 V DC, 200 - 3000 V AC rms

IP65-IP67 mating with back-shells for EMC 360° screen termination, shrink boot, metric adaptors

Mil-DTL-MS3450



Threaded coupling

Aluminium alloy shell with various plating options

Solder / Crimp contacts; gold plated; 1 - 104 contact arrangements

Operating Temperature: -55°C to 200°C

Current / Voltage Rating: 10 - 150 A, Up to 300 V AC rms

IP65-IP67 mating with backshells for EMC 360° screen termination, shrink boot, metric adaptors

26482 SERIES

Mil-DTL-26482 Series I



Miniature bayonet coupling, manufactured to Mil-DTL-26482 Series I

Aluminium alloy shell with various plating options, ROHS compliant

Solder / Crimp contacts; PCB gold plated; 2 - 61 contact arrangements

Operating Temperature: -55°C to 125°C

Current / Voltage Rating: 10 - 150 A, Up to 1500 V DC or AC Peak

IP65-IP67 mating with back-shells for EMC 360° screen termination, shrink boot, metric adaptors

Mil-DTL-26482 Series II



Miniature bayonet coupling, manufactured to Mil-DTL-26482 Series II

Aluminium alloy shell with various plating options, ROHS compliant

Crimp contacts; PCB gold plated; 3 - 61 contact arrangements

Operating Temperature: -55°C to 200°C

Current / Voltage Rating: 23 A, Up to 2300 V AC

IP65-IP67 mating with back-shells for EMC 360° screen termination, shrink boot, metric adaptors

Mil-DTL-26482 Filter Connectors



Manufactured to MIL-DTL-26482 Series I

Filter version for EMI Suppression

PCB gold plated contacts

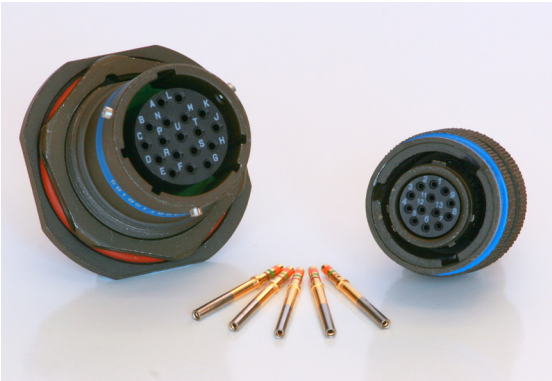
Individual or combined circuit types and capacitance values

Reduces board space required for filtering

RoHS compliant & cadmium-free finishes available

38999 SERIES

Mil-DTL-38999 Series I



Bayonet coupling

Light weight/high density aluminium alloy shell with various plating options

Crimp (removable), PCB gold plated, 2 - 128 contact arrangements

Operating Temperature: -65°C to 200°C

Current / Voltage Rating: 1.5 - 23 A, Up to 2300 V AC

Back shells for EMC 360° screen, shrink boot, metric adaptors

Full QPL certification

Mil-DTL-38999 Series II



Bayonet coupling

Light weight/high density aluminium alloy shell with various plating options

Crimp (removable), PCB gold plated, 3 - 128 contact arrangements

Operating Temperature: -65°C to 200°C

Current / Voltage Rating: 1.5 - 23 A, Up to 2300 V AC

Back shells for EMC 360° screen, shrink boot, metric adaptors

Full QPL certification

Mil-DTL-38999 Series III



Tri-start, self locking screw coupling

Light weight/high density aluminium alloy Shell with various plating options

Crimp (removable), PCB gold plated, 3 - 128 contact arrangements

Operating Temperature: -65°C to 200°C

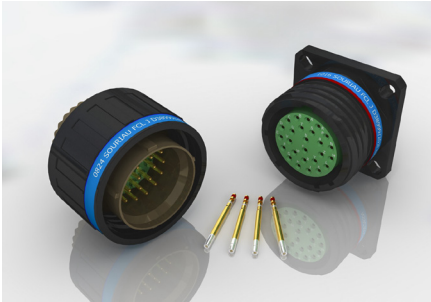
Current / Voltage Rating: 1.5 - 46 A, Up to 2300 V AC

Back shells for EMC 360° screen, shrink boot, metric adaptors

Full QPL certification

38999 SERIES

Mil-DTL-38999 SERIES III Composite



Tri-start, self locking screw coupling

25 - 30% lighter than standard aluminium connector; cadmium or electroless nickel plating options

Crimp (removable), PCB gold plated, 2 - 128 contact arrangements

Operating Temperature: -55°C to 125°C

Current / Voltage Rating: 1.5 - 46 A, Up to 2300 V AC

Qualified to 500 mating cycles

Mil-DTL-38999 SERIES III Stainless Steel



Tri-start, self locking mechanism prevents unscrewing at high vibration

Stainless steel firewall scoop-proof, high density connector

Passivated and nickel plating available

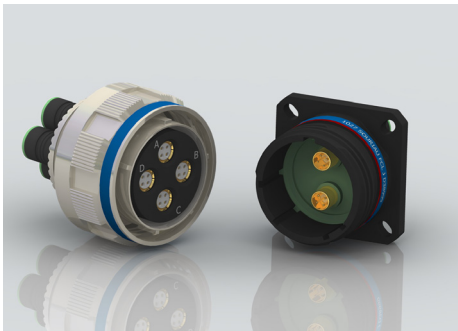
Crimp (removable), PCB gold plated, 2 - 128 contact arrangements

Operating Temperature: -55°C to 200°C

Current / Voltage Rating: 1.5 - 46 A, Up to 2300 V AC

Qualified to 500 mating cycles

Mil-DTL-38999 SERIES III QUADRAX



Robust with self-locking screw mechanism for high vibration applications

Shell material available in aluminium, composite, stainless steel and bronze

Crimp (removable), PCB gold plated, 2 - 128 contact arrangements

Contacts in both 100Ω & 150Ω

Contact size 8 layouts fit in standard #8 cavities

Mil-DTL-38999 SERIES III ELIO®



Elio® High speed, fibre optic connectors housed in Mil-DTL-38999 connector platforms

1 - 24 contacts for harsh environment in aluminium, composite, stainless steel and bronze shell

Plating finish in ROHS compliant zinc nickel and zinc cobalt

Termination and polishing available

Supply of Elio pigtails and patch cords to Elio to SC/LC/FC/ST terminations

38999 SERIES

Mil-DTL-38999 SERIES III JVC Marine



Nickel aluminium bronze alloy shells

Outstanding saltwater corrosion protection

Signal, power, coaxial, triax, quadrax and optical contacts available

Grounding fingers allowing shell to shell continuity

Mil-DTL-38999 SERIES III Protective Caps



Protective caps in rubber and metal with wire rope or nylon cords

Wide choice of plating finishes available

Full QPL certification

MICRO MINIATURE CIRCULAR

2M Series



71% lighter and 52% smaller than standard Mil-DTL-38999 connectors

Coupling in Tri-Start, Push-pull, Quarter turn bayonet-lock and threaded coupling half turn to full mate

Shell styles black anodised, electroless nickel, cadmium, Dumalon passivated & zinc-nickel

Crimp, gold plated, 1 - 130 contact arrangements

Operating Temperature: -55°C to 200°C

Current / Voltage Rating: 20 A, Up to 1800 V AC

8DA / 8BA / 8LTA



For harsh environment environments requiring high performance and miniaturized connectors

Silicone elastomer grommet and sealing from -55°C to 175°C
3 plating finishes and 3 shell sizes, removable contacts #22D & #26D

Qualified for 250, 500 and 1000 mating cycles depending on material
PCB tails on request; scoop-proof

8DA threaded coupling, triple start thread

8BA Break-away for quick disconnect

8LTA bayonet coupling miniaturization of Mil-DTL-38999 Series I

AUDIO, COMMUNICATION AND D-SUB

Mil-DTL-55116



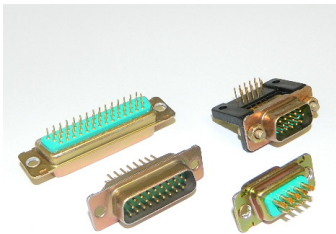
164 Series full QPL certification to Mil -DTL-55116

Audio 5 & 6 Pin for low voltage audio frequency
3 Point bayonet coupling for quick disconnect and self-wipe contact,
500 mA per contact

Operating Voltage: 60 V max

Material: Stainless steel sand blasted; alternative black finish available

Mil-DTL-24308



High density insert arrangement

Full QPL certification to Mil-DTL-24308

Aluminium, stainless steel or brass shell material

Crimp, solder or PCB terminations in tin/gold and gold plating

Operating Temperature: -55°C to 125°C

Mil-DTL-83513



Aluminium alloy shell styles

9 - 100 circuits; Crimp, PCB & coaxial terminations in gold plating

Operating Temperature: -55°C to 125°C

Current / Voltage Rating: 2.5 A, 600 V AC

MIL-DTL-55181



Qualified to MIL-DTL-55181 and listed in QPL

Feature a central lock screw and is waterproof and polarised

Used for interconnection of audio power and control equipment

POWER & CONTROL

MIL-DTL-22992 CLASS L



Military and industrial applications where power and control functions are required with environmental protection

Heavy duty connectors with double stub threads and five keyways

Designed, manufactured and tested to MIL-C-5015 and MIL-C-22992

Insert patterns as per MIL-C-5015

Used with high shock and vibration environments

CONNECTOR ACCESSORIES

ACCESSORIES



Back shells, adaptors, heat shrink boots, dust covers in metal, plastic and rubber

Accessories available for military circular or non-circular connectors

Circular non-screened and screened adaptors in 45° and 90° options

Non-circular screened and non-screened rectangular adaptors with wide choice of styles

Shrink boot adaptors / Shorting cap back shells; Environmental and non-environmental back shells

EMI-RFI back shells both environmental and non-environmental

Banding and crimp ring screen termination back shells

Micro D and D subminiature back shells

Various plating options available upon request

CUSTOM PRODUCTS

FEATURES:

- » Blind mate coupling
- » Threaded, bayonet coupling or push pull
- » Rugged heavy duty
- » Positive contact pressure and self-cleaning action
- » Reinforced Infocom Connectors for harsh environment
- » Specialised cable assemblies and tactical fibre optic solutions
- » Custom cable design
- » Umbilical connectors for missile
- » Customisation of backshells
- » Customisation of electrical and electronic subsystems



APPLICATIONS:

- » Battle Field Tanks
- » Heavy Vehicles
- » Aerospace
- » Military & Commercial Planes
- » Satellite Launch Vehicles
- » Military Radio Communication
- » Security Systems
- » Missile Security Systems
- » Missile and Satellite Launchers
- » Electronic Warfare Systems
- » Future Soldier Interconnection System
- » Radar
- » Remote Sensing
- » Battlefield Communications
- » Industrial Automation
- » Oil & Gas
- » Railway

EXTENDED PRODUCT RANGE

TRIM TRIO



CEEtyp PLUGS AND SOCKETS



PROCON RECTANGULAR



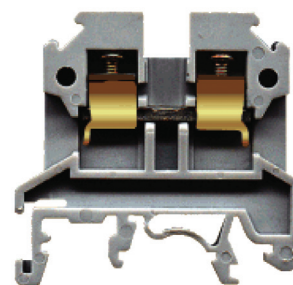
SWITCHGEAR



FLEXIBLE BRAIDS & CONNECTIONS



DIN RAIL TERMINALS



CABLE CHAIN



CONDUIT & FITTINGS



NOTES



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