Connectors
MIL-PP push-pull connectors

The new standard in push-pull connectors

- Ultra-lightweight
- Ultra high-pitch contact density, up to 30 ways
- Fully environmentally sealed to 20m in both mated & unmated conditions
- High-speed data capability, inc USB and Ethernet
- Robust design for the most demanding environments
- Positive, blind mateable, key-keyway engagement system
- Fully scoop-proof, to prevent accidental contact damage
- RoHS, Reach & WEEE compliant
- Low-lustre, non-reflective, black finish

Specifications:

Materials
- Shells: Aluminium Alloy (Aerospace grade)
- Insulators: Rigid Polymer
- Contacts: Copper alloy

Standard Plating Finishes
- Metal parts: Non-reflective black finish (ROHS compliant).
- Contacts: Gold

Mechanical Features
- Coupling: push pull, blind mating.
- Keying: 5 orientations available
- Contact type: Solder and PCB pins
- Contact Retention: Assembled and injection moulded in position.
- Endurance: 5000 operations minimum

Environmental Ratings
- Temperature Range: -55 to +125°C
- Vibration: 16hrs random
- Sealing: IP68 - 2 bar (20 metres) mated and un-mated
- Salt Spray: 1000 Hours

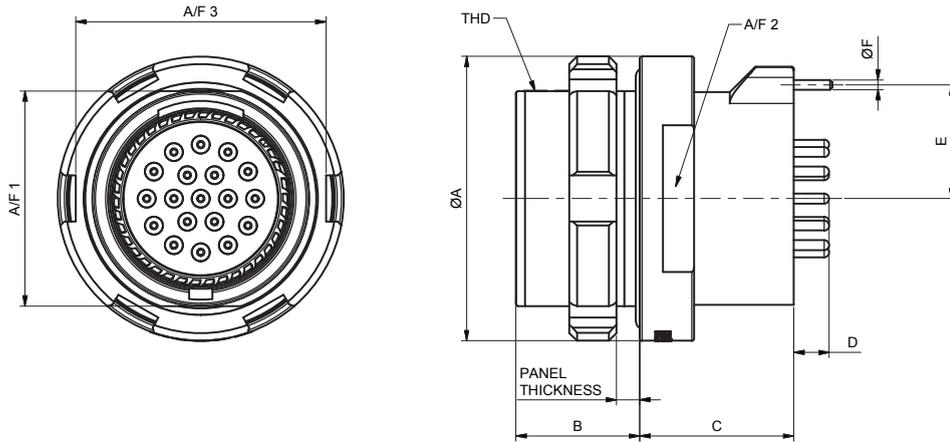### Electrical Characteristics
- Insulation resistance: 30,000Mohms
- Dielectric withstand voltage: 750v AC
- Current rating: 3amps @ 40°C
- Contact resistance <5m ohm
- Shell to shell continuity <5m ohm

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Style 27A - Recessed Box Mounted Receptacle

Size	THD	Panel Thickness	Max No Contacts	A	B	C	D	E	F	G
6	M15 x 0.75	5	30	Ø18.5	8	8.95	2.5	7.4	Ø0.65	14
4	M13 x 0.75	5	20	Ø16.5	8	8.95	2.5	7.4	Ø0.65	12
2	M11 x 0.5	5	10	Ø14.5	8	8.95	2.5	7.4	Ø0.65	10

Style 24A - Box Mounted Receptacle
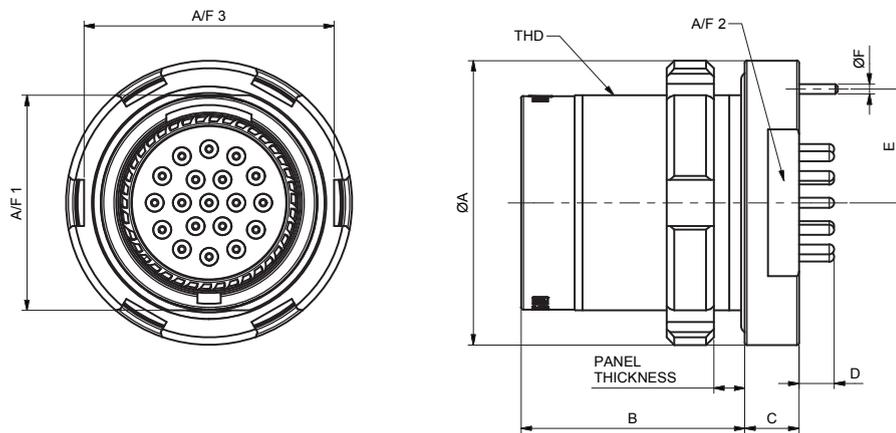
Size	THD	Panel Thickness	Max No Contacts	A	B	C	D	E	F	G
6	M15 x 0.75	6	30	Ø18.5	14.4	3.5	2.5	7.4	Ø0.65	14
4	M13 x 0.75	6	20	Ø16.5	14.4	3.5	2.5	7.4	Ø0.65	12
2	M11 x 0.5	6	10	Ø14.5	14.4	3.5	2.5	7.4	Ø0.65	10

Style 01K
Cable Mounted Receptacle

MAX. Ø CABLE

A/F 1   A/F 2
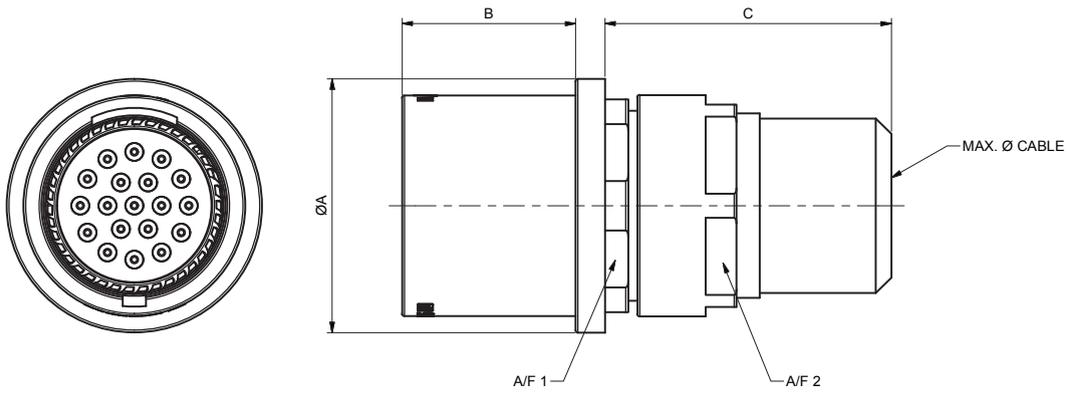
Size	Max No Contacts	A	B	C
6	30	Ø16.5	11.2	50.4
4	20	Ø14.5	11.2	50.4
2	10	Ø12.5	11.2	50.4

Style 06K
Cable Mounted Plug

MAX. Ø CABLE

A/F 1   A/F 2
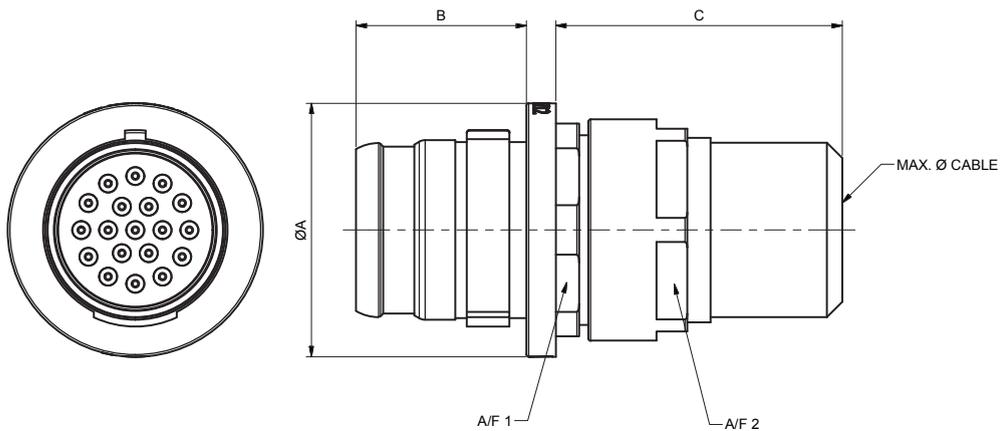
Size	Max No Contacts	A	B	C
6	30	Ø16.5	11.0	50.4
4	20	Ø14.5	11.0	50.4
2	10	Ø12.5	11.0	50.4

General Note

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Part Number Explanation

ABSC	06K	B	06	19	P	N	XX

Shell Style:
06K = Cable Plug
01K = Cable Receptacle
24A = Box Receptacle
27A = Recessed Box Receptacle
04T = Box Receptacle, solder
07T = Recessed Box Connector, solder

Material and Finish:
B = Non-reflective Black

Shell size:
See Table 1

Insert Arrangement

Contact type:
P = Pin
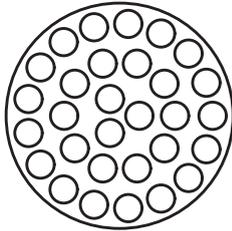S = Socket

Orientation :
N = Normal
Alternative A,B,C,D
See Table 2

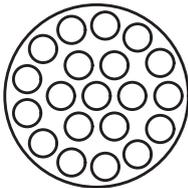**Modification code**

Table 1 Planforms
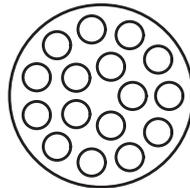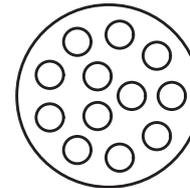
Size: 06
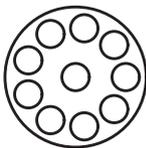Planform: 30
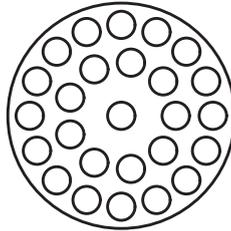
Size: 06
Planform: 26
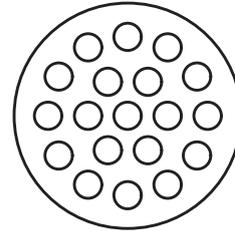
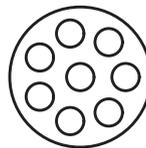Size: 06
Planform: 19

Size: 04
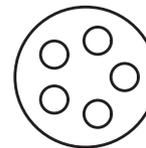Planform: 20

Size: 04
Planform: 16

Size: 04
Planform: 12

Size: 02
Planform: 10

Size: 02
Planform: 08

Size: 02
Planform: 05

General Note

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