Micro AS Series I

Features:

- Compact design.
- Cable accomodation - 22,24 & 26 AWG.
- Conductive black finish.
- Interfacial and wire sealing.
- Scoop-proof interface with shell to shell grounding.
- Integral screen/boot termination feature.
- In-line and two-hole mounting styles.
- Moisture-proof to IP67.
- PCB option as standard.
- Gold-plated crimp contacts.

Benefits:

- Compact design - Minimum space envelope.
- No need for backshells.
- Cost effective.
- Screening braid and boot can both be fitted.
- Connector finish enhances appearance of equipment.
- Visual indication of keyway orientation of connector.
- Uses standard crimp tooling.
- Suitable for blind mating.

General Specification

Standard connector
Supplied complete with crimp contacts.

Material and Finishes
High strength Aluminium Alloy, Black zinc finish shells.
Composite Coupling Ring, Copper alloy, Gold plated contacts.
Thermoplastic insulators with fluorinated silicone interface and wire seals.

Wire Sealing
Connector rear sealing grommet is designed to seal on a wire having overall insulation diameters within the following range:
Min (mm) - 0.60
Max (mm) - 1.37

Dielectric Withstand Voltage
1000 Volts ac rms.

Contact Rating & Wire Acceptance
Current rating - 3 amps.
Conductor Diameter - 0.4mm^2 max.

Temperature Rating
- 40°C to +150°C. The upper limit is the maximum internal hot-spot temperature resulting from the combination of ambient temperature and heating due to current.

Ordering Information

AS - 0 - 06 - 05 - P - N - *

Range Ref.

Style Reference

0	2-Hole Flange Receptacle
1	Inline Receptacle
2	2-Hole flange receptacle with PCB contacts
6	Free Plug

Shell Size

Contact Arrangement

Insert Style

P = Pin
S = Socket

Shell Keyways

N = Red
A = Yellow
D = Green
} Standard

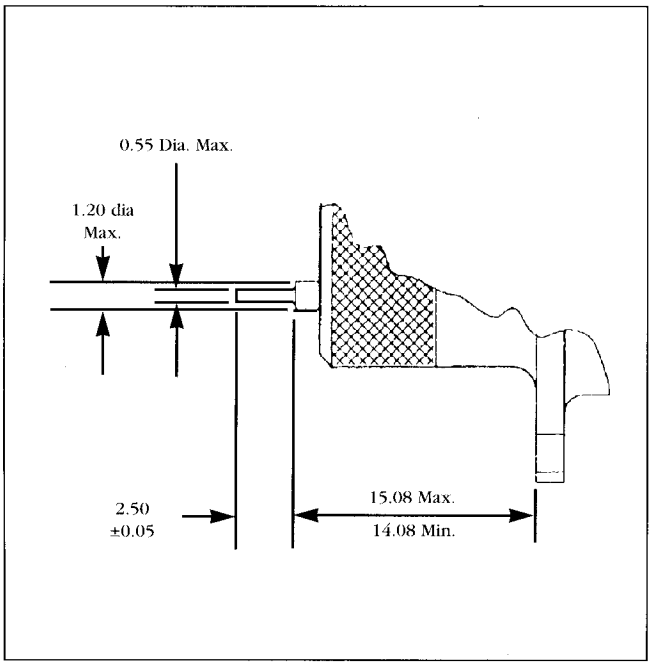
B = Blue
C = Orange
} Alternatives

Modification Code

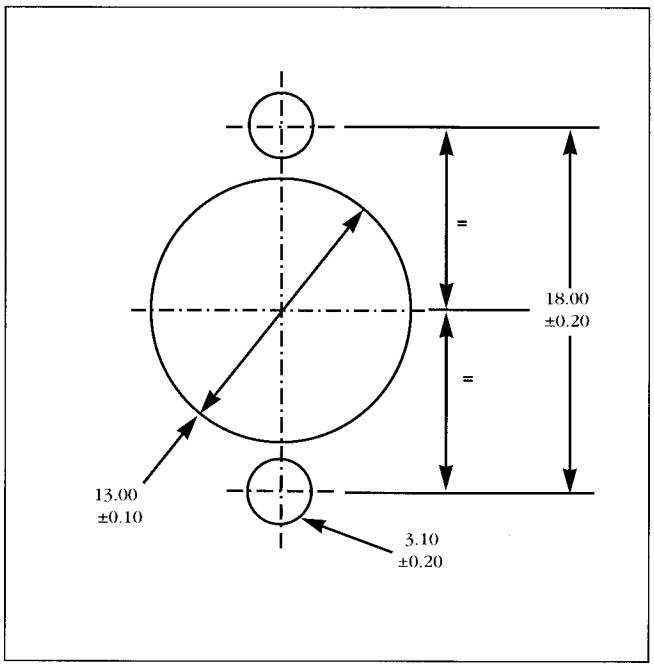
How to order

Quote the AS reference, followed by the style, shell size, contact arrangement, insert style and shell keyway option.

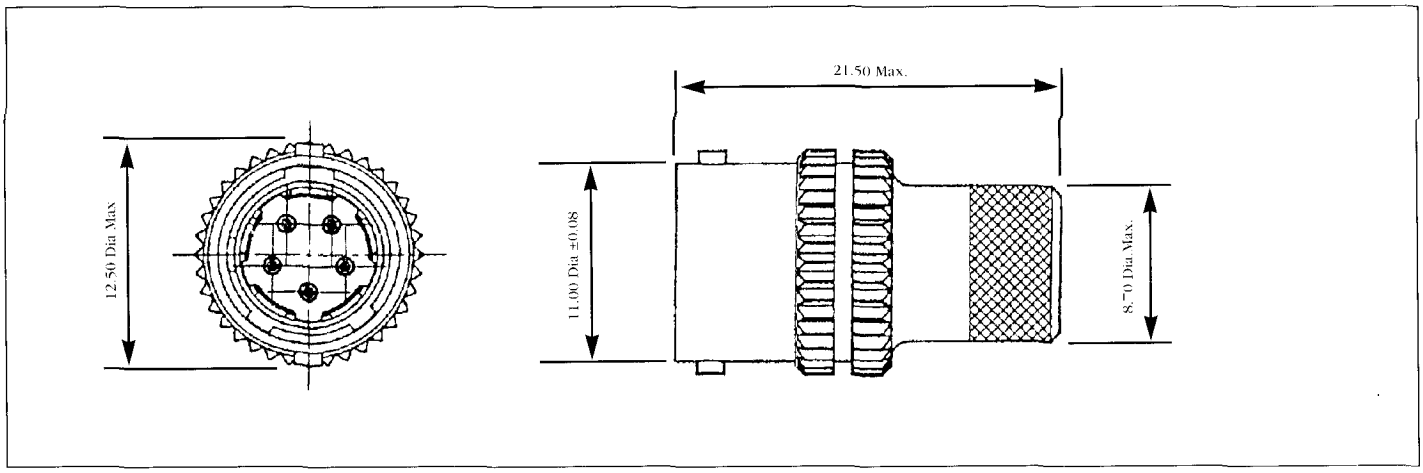
PCB DETAIL



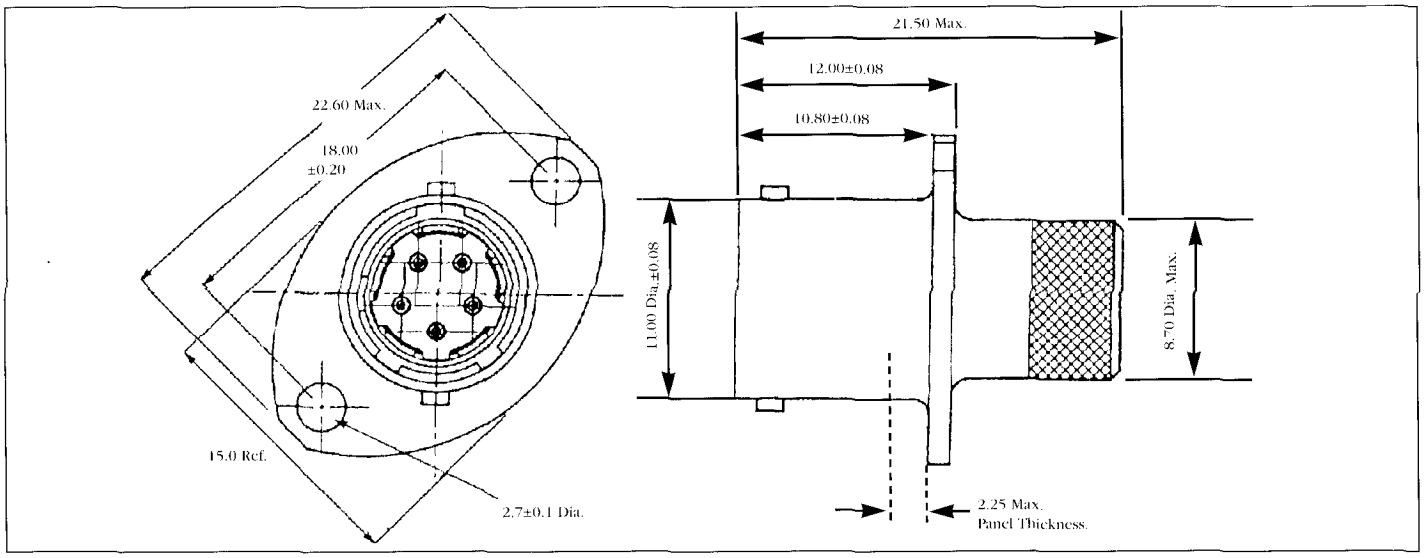
PANEL CUT-OUT DETAIL



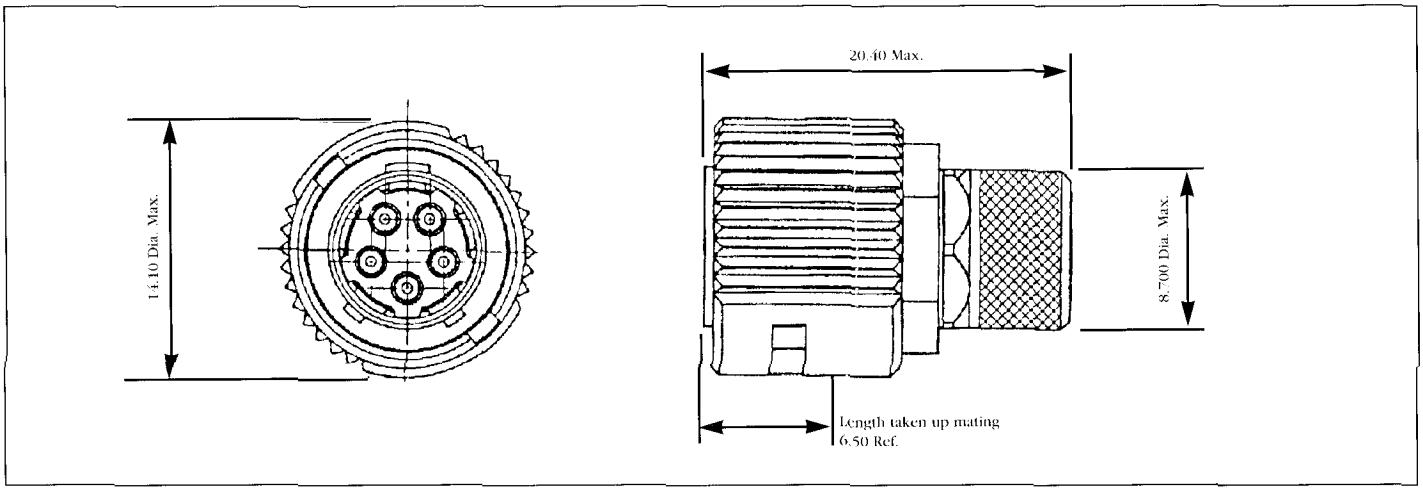
Inline Receptacle - Type 1



Receptacle - Type 0 & 2



Plug - Type 6



Contact Identification

Looking at the rear face of the connector a broad white line is printed on the shell in line with the master key/keyway, with a narrow white line printed on the shell indicating cavity No. 1 and therefore indicating in which direction the contacts should be read.

Contacts & Tooling

AS Series
Contacts, Tooling and Filler Plugs

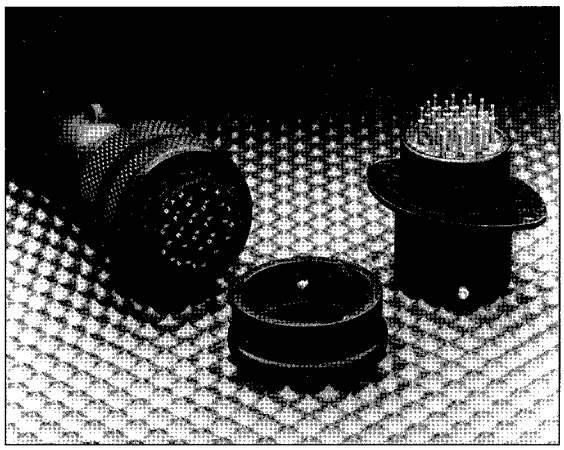
Contact Size	Part Numbers						
	Socket	Pin	Filler Plug	Ins/Ext Tool	Crimp Tool	Pin Positioner	SKT Positioner
22	38943-22	38941-22	600300-22	M81969/14-01	M22520/2-01	M22520/2-09	M22520/2-07
20	38943-20	38941-20	600300-20	M81969/14-02	M22520/2-01	M22520/2-10	M22520/2-10
16	38943-16	38941-16	600300-16	M81969/14-03	M22520/1-01	M22520/1-04	M22520/1-04

Micro AS Series I & II
Contacts & Tooling

Socket	Pin	Ins/Ext Tool	Crimp Tool	Pin Positioner	Socket Positioner
603729-HE	604011-31	M81969/14-01	M22520/2-01	640035	640034
PCB Socket	PCB Pin	Ins/Ext Tool			
603827-HE	604023-31	M81969/14-01			

AS Filter Connectors

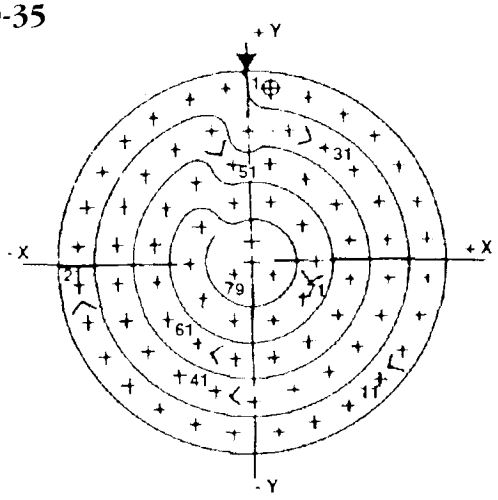
With ever increasing systems and equipment sensitivity, unwanted signals, created by a variety of electronic noise generators, cause the equipment and system designer to consider methods of filtering out these unwanted signals.



The Deutsch AS Filter Connector range addresses these problems and provides multiway flange receptacles intermatable with the standard AS product range. Each contact provides an LC or Pi filter arrangement to give adequate attenuation to unwanted signals and provides continuous operation under the extremes of environment specified for the AS product range.

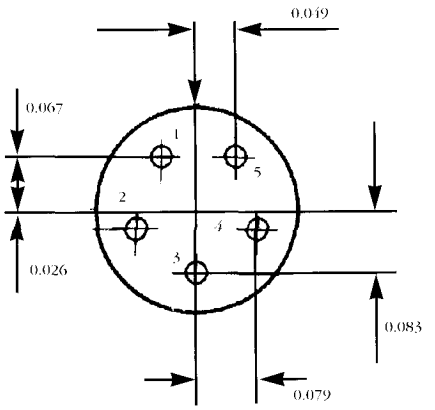
For Further Information Contact Deutsch Technical Sales.

20-35



PCB layout information...
Micro AS Series I & II

06-05



CONTACT LOCATION 20-35

Contact No.	X Axis	Y Axis	Contact No.	X Axis	Y Axis	Contact No.	X Axis	Y Axis
1	+0.053	+0.426	28	-0.053	+0.426	55	+0.237	+0.048
2	+0.146	+0.404	29	0.000	+0.323	56	+0.237	-0.048
3	+0.232	+0.362	30	+0.098	+0.322	57	+0.208	-0.139
4	+0.306	+0.302	31	+0.184	+0.280	58	+0.134	-0.199
5	+0.365	+0.227	32	+0.258	+0.220	59	+0.048	-0.241
6	+0.406	+0.141	33	+0.311	+0.141	60	-0.048	-0.241
7	+0.427	+0.048	34	+0.332	+0.048	61	-0.134	-0.199
8	+0.427	-0.048	35	+0.332	-0.048	62	-0.208	-0.139
9	+0.406	-0.141	36	+0.311	-0.141	63	-0.237	-0.048
10	+0.365	-0.227	37	+0.258	-0.220	64	-0.237	+0.048
11	+0.306	-0.302	38	+0.184	-0.280	65	-0.208	+0.139
12	+0.232	-0.362	39	+0.098	-0.322	66	-0.134	+0.199
13	+0.146	-0.404	40	0.000	-0.347	67	-0.048	+0.146
14	+0.053	-0.426	41	-0.098	-0.322	68	+0.048	+0.146
15	-0.053	-0.426	42	-0.184	-0.280	69	+0.125	+0.090
16	-0.146	-0.404	43	-0.258	-0.220	70	+0.155	0.000
17	-0.232	-0362	44	-0.311	-0.141	71	+0.125	-0.090
18	-0.306	-0.302	45	-0.332	-0.048	72	+0.048	-0.146
19	-0.365	-0.227	46	-0.332	+0.048	73	-0.048	-0.146
20	-0.406	-0.141	47	-0.311	+0.141	74	-0.125	-0.090
21	-0.427	-0.048	48	-0.258	+0.220	75	-0.155	0.000
22	-0.427	+0.048	49	-0.184	+0.280	76	-0.125	+0.090
23	-0.406	+0.141	50	-0.098	+0.322	77	0.000	+0.053
24	-0.365	+0.227	51	-0.048	+0.241	78	+0.048	-0.029
25	-0.306	+0.302	52	+0.048	+0.241	79	-0.048	-0.029
26	-0.232	+0.362	53	+0.134	+0.199			
27	-0.146	+0.404	54	+0.208	+0.139			

Note: PCB layout details of other insert arrangements are available on request.
All Dimensions are in inches.