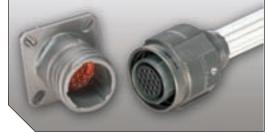
PDS-208-9



A connector that has the connections...

The HD38999 family of connectors was designed to work with existing mil-specified 38999 shells. To the end users familiar with standard 38999 connectors, this family of high density connectors will look, feel, and perform just like the mil-qualified connectors. Utilizing an existing mil-qualified 39029 size 23 contact and mil-qualified shells, the new system will be, in many cases, a drop-in connector. Even though the HD38999 has 30% more contacts, it still performs to minimum electrical requirements of standard 38999 connectors.



Goes from 9 to 187 contacts!

- Aluminum
- Composite
- Stainless Steel
- Sealed
- Filtered





Density Interconnects



For more information e-mail:

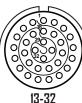
hd38999info@amphenol-aao.com

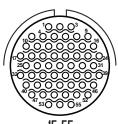
Specifications, descriptions and illustrations in this literature are as accurate as known at the time of publication, but are subject to change without notice



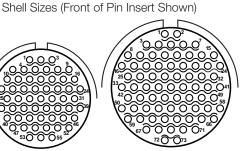


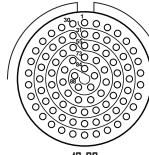




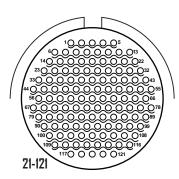


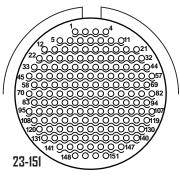


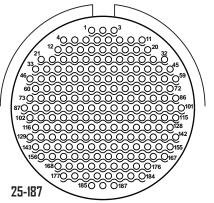




19-88







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recommendations to infringe any patent. The user should assume that all safety measures are indicated or that other measures may not be required. Specifications are typical and may not apply to all connectors

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Call 800-678-0141

The Core Mil Group

CRIMP CONTACT SIZE

SAE 39029, SIZE 23

WIRE BARREL RANGES/CURRENT CAPABILITY

CRIMP BARREL DIAMETER

CRIMP BARREL

(Inches) .034-.036

Depth (Inches), 151-, 155

22 AWG 5.0 AMPS 24 AWG 3.0 AMPS 26 AWG 2.0 AMPS 28 AWG 1.5 AMPS

Note: Wire insulation diameter greater than 0.045 inches is too large for the extraction tool to work properly. Connector damage is possible.

 Contact Part Numbers
 Crimp Tool –Daniels M22520/2-01

 Size 23 Sockets 10-597330-735
 Positioner – Daniels M22520/2-13 – Pins

 Size 23 Pins Sealing Plugs
 10-597331-735
 Daniels M22520/2-16 – Sockets

 Sealing Plugs
 10-405996-222 (MS27488-22-2)
 Insertion/Removal Tool - Glenair 809-088

Temperature Range: Insulation Resistance:

-65C to 175C 5000 megohms min.@ 500 VDC 25C

Dielectric Withstanding Voltage: 1000 VRMS @ Sea level

Easy Steps to build a part number... HD38999

2. 3. 4. 5. 6.

	Connector	Shell	Serice	Shell Size –	Contact	Alternate	PCB
	Type	Styles	Class	Insert Arrangement	Type	Postions	Options
_	(P)TV	06	RW	23-151	Р	В	(P25)

Step 1. Select a Connector Type

		, , , , , , , , , , , , , , , , , , ,			
	Designates				
TV Tri-Start Series Connector			Tri-Start Series Connector		
TVP Back panel mounted receptacle			Back panel mounted receptacle		
(P) Potted version			Potted version		

Step 2. Select a Shell Style

	Designates			
00	Wall mount receptacle			
01 Line receptacle				
06 Straight plug				
07	Jam nut receptacle			

Step 3. Select a Service Class

	Designates		
RF	Electroless nickel plated aluminum, optimum EMI shielding effectiveness -65dB @ 10GHz specification min., 48 hour salt spray, 175°C		
RW Corrosion resistant olive drab cadmium plate aluminum, 500 hour ext salt spray, EMI -50dB @ 10GHz specification min.,175°C			
RK	Corrosion resistant stainless steel, plus 500 hour salt spray resistance, EMI –45 dB @ 10 GHz specification min., 175°C		
DT	Durmalon plated, alternative to Cadmium. Corrosion resistant, 500 hour extended salt spray, EMI -50dB @ 10GHz specification min. without CR ⁶		

Step 4. Select a Shell Size – Insert Arrangement

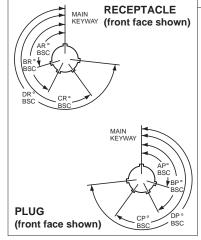
Shell Sizes are MIL-DTL-38999, Series III, plus newer High Density insert arrangements.

Shell	Insert	Shell	Insert
Size	Arrangement		Arrangement
9 –	9	19 –	88
11 –	19	21 –	121
13 –	32	23 –	151
15 –	55	25 –	187
17 –	73		

Step 5. Select a Contact Type

Designates		Designates
P Pin contacts		Pin contacts
S Socket contact		Socket contacts





Step 6. Select an Alternate Position

A, B, C, D, E, blank for normal

Shell	Key & keyway	AR°	BR°	CR°	DR°
Size	arrangement	or AP°	or BP°	or CP°	or DP°
	identification	BSC	BSC	BSC	BSC
	letter				
	N*	105	140	215	265
	Α	102	132	248	320
9	В	80	118	230	312
9	С	35	140	205	275
	D	64	155	234	304
	E	91	131	197	240
44	N*	95	141	208	236
11,	Α	113	156	182	292
13,	В	90	145	195	252
and	С	53	156	220	255
15	D	119	146	176	298
13	E	51	141	184	242
	N*	80	142	196	293
17	Α	135	170	200	310
	В	49	169	200	244
and	С	66	140	200	257
19	D	62	145	180	280
	E	79	153	197	272
0.4	N*	80	142	196	293
21,	Α	135	170	200	310
23,	В	49	169	200	244
and	С	66	140	200	257
25	D	62	145	180	280
25	E	79	153	197	272

A plug with a given rotation letter will mate with a receptacle with the same rotation letter. The angles for a given connector are the same whether it contains pins or sockets. Inserts are not rotated in conjunction with the master key/keyway.

Step 7. Select a PCB Contacts

Pin	Socket	Designates	
P1	S1	PCB tail stickout .100" nominal +/040 inch	
P15	S15	PCB tail stickout .150" nominal +/040 inch	
P2	S2	PCB tail stickout .200" nominal +/040 inch	
P25	S25	PCB tail stickout .250" nominal +/040 inch	