

MICRO-CRIMP RECTANGULAR CONNECTORS

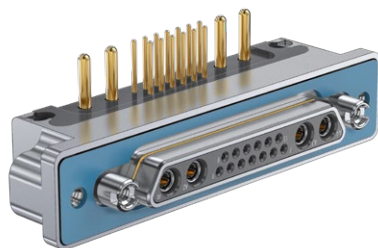
Series 790 High-Density

SERIES™
790
HD

790-037

Panel Plug, 90° PC Tails

- ◆ 90° PCB termination
- ◆ Rear panel mount
- ◆ Socket contacts



790-037 plug has gold-plated right angle contacts for thru-hole printed circuit board termination. Connector flange has conductive EMI gasket and threaded holes for rear panel mounting. Contacts are sealed with epoxy. Machined aluminum shell has integral standoff and threaded holes for attachment to PC board. EMI shroud improves shielding. Available in forty insert arrangements with up to 102 contacts.

- Aerospace-grade microminiature PCB connector with M39029-type signal and power contacts
- Epoxy sealed
- EMI panel gasket and EMI shroud
- Environmental

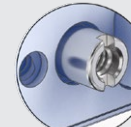
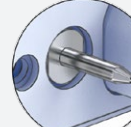
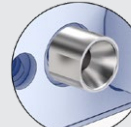
INSERT ARRANGEMENTS

Insert Arrangement	No. of Contacts			
	#23	#16	#12	#8
A-5	5			
B-2P2		2		
B-9	9			
C-13	13			
D-15	15			
D-3P3		3		
D-7P2	5	2		
E-11P2	9	2		
E-19	19			
E-7P3	4	3		
F-14P3	11	3		
F-15P2	13	2		
F-23	23			
F-5P5		5		
G-13P2	11		2	
G-21P1	20		1	
G-3P3			3	
G-33	33			
H-10P4	6		4	
H-29P7	22	7		
H-36P2	34		2	
H-51P1	50		1	
H-54P2	52	2		
H-5P5			5	
H-66	66			
J-17P4	13	4		
J-25P2	23	2		
J-33	33			
J-7P7		7		
K-27P4	23	4		
K-35P2	33	2		
K-43	43			
K-9P9		9		
L-22P4	18		4	
L-48P2	46		2	
L-6P6			6	
L-78	78			
M-17P17		17		
M-102	102			
M-4P4				4

HOW TO ORDER

Sample Part Number		790-037S	H-66	M	E	P	A
Basic Part Number	790-037S	90° PCB Plug, Socket Contacts					
Shell Size-Insert Arr.	See “ <i>Insert Arrangements</i> ” Table						
Shell Finish	<u>M</u> Electroless Nickel						
	<u>MT</u> Nickel / PTFE						
	<u>NF</u> Olive Drab Cadmium						
	<u>TZ</u> Tin-Zinc						
	<u>ZR</u> Black Zinc-Nickel						
EMI Spring	<u>E</u> EMI Spring <i>Shell finishes M and MT only</i>						
	<u>N</u> No EMI Spring						
Hardware Option <i>Table 1</i>	<u>N</u> No Hardware <i>Threaded holes</i>						
	<u>G</u> Guide Pins <i>For blind mating</i>						
	<u>P</u> Female Jackposts						
	<u>S</u> Guide Sockets <i>For blind mating</i>						
PC Tail Length	<u>A</u> .125 inch (3.2mm)						
	<u>B</u> .250 inch (6.4mm)						
	<u>C</u> .375 inch (9.5mm)						

TABLE 1 HARDWARE OPTIONS

 N No Hardware	 P Female Jackpost	 G Guide Pin	 S Guide Socket
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RATINGS

- Voltage (DWV): size 23 contacts 750 VAC, size 8, 12 and 16: 1800 VAC
- Current: #23 5A, #16 13A, #12 23A, #8 46A
- Operating temperature: -65 to +150 °C
- Durability: 500 mating cycles
- Shock: 300 g
- Vibration: 20 g random
- Altitude immersion: 75,000 feet
- Ingress protection: IP67

CONSTRUCTION

- Socket Contacts: Copper alloy, gold over nickel finish. Stainless steel hood.
- Shell: Aluminum
- Insulator: High performance thermoplastic
- EMI spring: Stainless steel, gold plated
- EMI shroud: Aluminum
- Encapsulant: Epoxy
- Hardware: Stainless steel

MICRO-CRIMP RECTANGULAR CONNECTORS

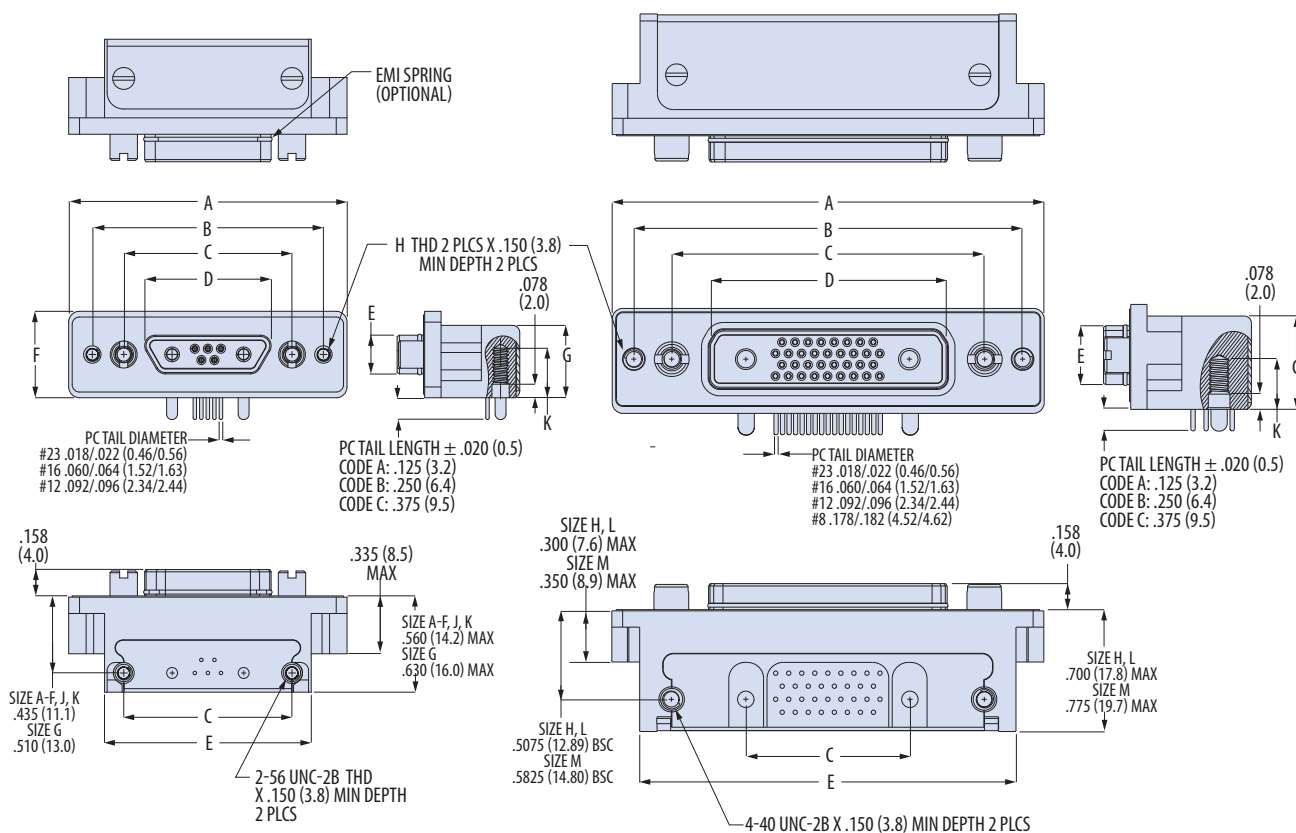
Series 790 High-Density



790-037

Panel Plug, 90° PC Tails

- ◆ 90° PCB termination
- ◆ Rear panel mount
- ◆ Socket contacts



SHELL SIZE A-G, J, K

SHELL SIZE H, L, M

Shell Size	A Max	B ± .005 (0.1)	C ± .005 (0.1)	D Max	E Max	F Max	G ± .010 (0.3)	H Thd	K Min
	in	mm	in	mm	in	mm	in	mm	in
A	1.211	30.8	.925	23.5	.565	14.4	.335	8.5	.800
B	1.361	34.6	1.075	27.3	.715	18.2	.485	12.3	.950
C	1.511	38.4	1.225	31.1	.865	22.0	.635	16.1	1.100
D	1.611	40.9	1.325	33.7	.965	24.5	.735	18.7	1.200
E	1.761	44.7	1.475	37.5	1.115	28.3	.885	22.5	1.350
F	1.911	48.5	1.625	41.3	1.265	32.1	1.035	26.3	1.500
G	1.855	47.1	1.575	40.0	1.215	30.9	1.010	25.7	1.450
H	2.500	63.5	2.236	56.8	1.800	45.7	1.385	35.2	2.175
J	2.261	57.4	1.975	50.2	1.615	41.0	1.390	35.3	1.850
K	2.661	67.6	2.375	60.3	2.015	51.2	1.795	45.6	2.250
L	2.736	69.5	2.472	62.8	2.036	51.7	1.623	41.2	2.411
M	3.085	78.4	2.770	70.4	2.200	55.9	1.675	42.5	2.575

BLIND MATE TOLERANCES

Shell Size	Allowable Misalignment from Centerline
A – G, J, K	± .030 (0.8)
H, L	± .040 (1.0)
M, N	± .050 (1.3)

HARDWARE DETAILS

N No Hardware Tapped holes. Size A-G, J, K = 4-40, H, L = 6-32, M = 8-32. .150 (3.8) min. depth	P Female Jackposts Jackposts are non-removable. Size A-G, J, K = 2-56, H, L = 4-40, M = 6-32.	G Guide Pins Guide pins for blind mate applications. Non-removable. Requires guide socket (S) on mating plug.	S Guide Sockets Guide sockets for blind mate applications. Non-removable. Requires guide pins (G) on mating plug.
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Application Note

Panel Cutout

See page A-60 for recommended panel cutout dimensions.

Application Note

PCB Footprints

See Section G

Straight tails: pp. G-1 – G-9

90° tails: pp. G-10 – G-20

MICRO-CRIMP RECTANGULAR CONNECTORS

Series 790 High-Density

SERIES™
790
HD

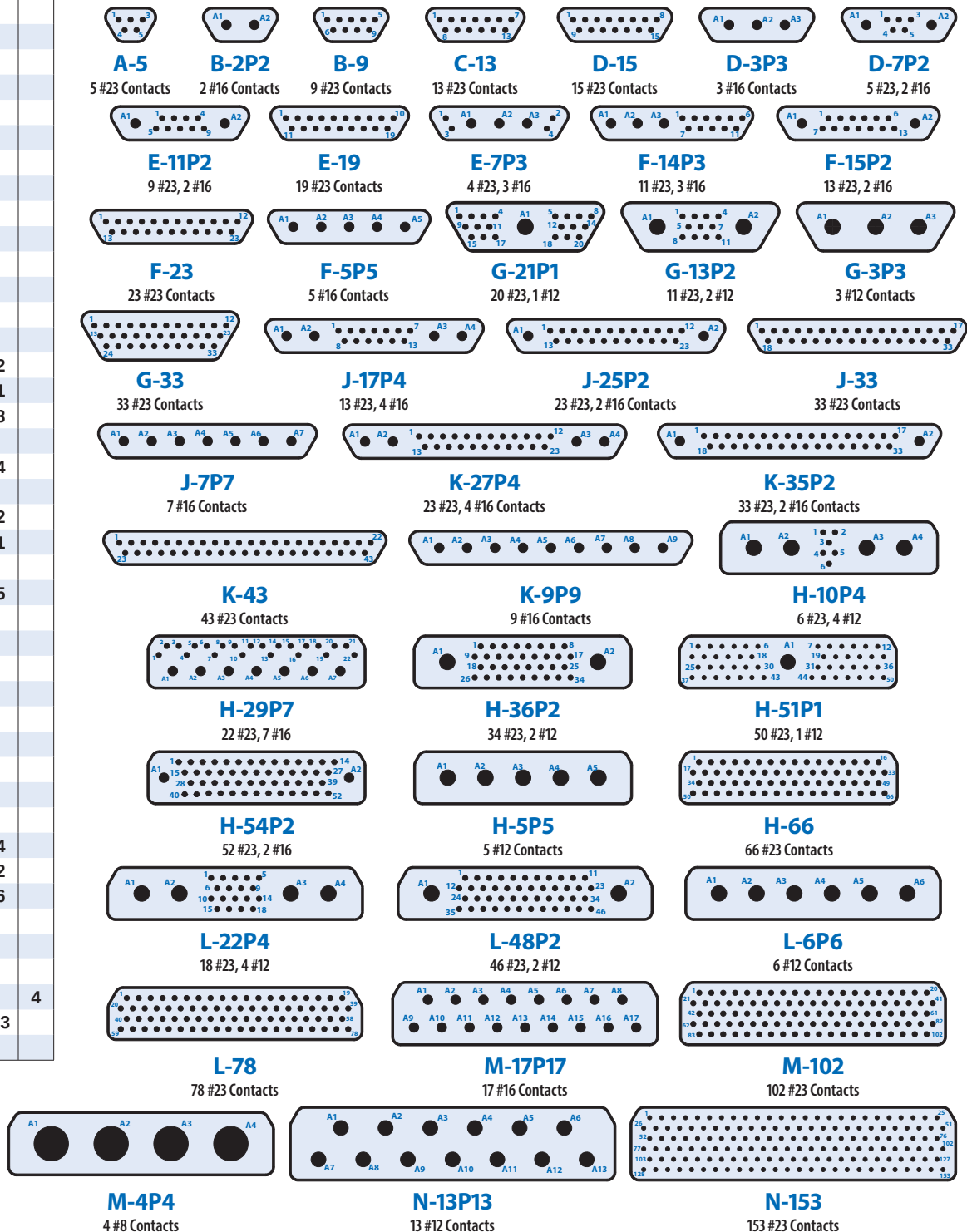
Insert Arrangements

SERIES 790 HIGH-DENSITY

INSERT ARRANGEMENTS				
Insert Arr.	No. of Contacts			
	#23	#16	#12	#8
A-5	5			
B-2P2		2		
B-9	9			
C-13	13			
D-15	15			
D-3P3		3		
D-7P2	5	2		
E-11P2	9	2		
E-19	19			
E-7P3	4	3		
F-14P3	11	3		
F-15P2	13	2		
F-23	23			
F-5P5		5		
G-13P2	11		2	
G-21P1	20		1	
G-3P3			3	
G-33	33			
H-10P4	6		4	
H-29P7	22	7		
H-36P2	34		2	
H-51P1	50		1	
H-54P2	52	2		
H-5P5			5	
H-66	66			
J-17P4	13	4		
J-25P2	23	2		
J-33	33			
J-7P7		7		
K-27P4	23	4		
K-35P2	33	2		
K-43	43			
K-9P9		9		
L-22P4	18		4	
L-48P2	46		2	
L-6P6			6	
L-78	78			
M-17P17		17		
M-102	102			
M-4P4				4
N-13P13			13	
N-153	153			

⚠ Cavity Numbers

Cavity numbers shown are for mating face of receptacle (pin) connector. Plug (socket) numbers are reversed.



MICRO-CRIMP RECTANGULAR CONNECTORS

Series 790 High-Density



Specifications

CONSTRUCTION

Contacts	Copper alloy, gold over nickel finish
Hood, socket contact	Stainless steel, passivated
Clip, contact retaining	Beryllium copper
Clip, insert retaining	Beryllium copper
Insulators	High performance thermoplastic
Grommet and face seal	Fluorosilicone/silicone blend
Shell	Aluminum
Gasket, panel	Cho-Seal 1287 Ag/Al filled fluorosilicone
EMI spring	Stainless steel, gold plated
EMI shroud (90° PCB)	Aluminum
Encapsulant (PCB)	Epoxy
Hardware	Stainless steel, passivated

RATINGS

Voltage (DWV)	Size 23 contacts: 750 VAC Size 8, 12 and 16 contacts: 1800 VAC	
Current Rating	Contact Size	Current (A)
	#23	5
	#16	13
	#12	23
	#8	46
Operating Temperature	-65 to +150 °C	
Ingress Protection	IP67	
Durability	500 mating cycles	

PRODUCT SPECIFICATIONS

Description	Requirement	Procedure
Contact Resistance	SAE AS39029 Table 5	EIA-364-06
Low Level Contact Resistance	SAE AS39029 Table 4	EIA-364-23
Insulation Resistance	5000 megohms minimum	EIA-364-21
Dielectric Withstanding Voltage	#23 contacts 750 volts, #8, 12 & 16 contacts 1800 volts	EIA-364-20
Current Rating	#23: 5A, #16: 13A, #12: 23A, #8: 46A	EIA-364-70 Method 1
Shell-to-shell Resistance	2.5 millivolt drop maximum (connector with EMI spring)	EIA-364-83
Shielding Effectiveness	100 – 1000MHz: >50 dB, 1 – 4GHz: >41dB, 4 – 10GHz: >35 dB	EIA-364-66
Ingress Protection	IP67 rating	IEC-60529
Vibration, Sine	20 g	EIA-364-28 Test Condition IV
Vibration, Random	16.91 g rms	EIA-364-28 Test Condition V Letter E
Mechanical Shock	300 g	EIA-364-27 Condition D
Thermal Shock	-65 to +150 °C	EIA-364-32 Test Condition IV
Humidity	10 Day, +25 to +65° C	EIA-364-31 Method IV, Step 7b vibration deleted
Mechanical Durability	500 mating cycles	EIA-364-09
Salt Spray	Plating code M: 48 hours, MT, ZR, N, TZ: 500 hours	EIA-364-26
Solderability, PC Tail Contacts	95% solder coverage. Smooth, bright and even finish.	EIA-364-52 Category 3, 8 hours steam aging
Resistance To Soldering Heat	260° C, 10 seconds	EIA-364-56
Fluid Immersion	No damage from immersion in various fuels and oils.	EIA-364-10
Altitude Immersion	75,000 feet	EIA-364-03
Contact Retention	MIL-DTL-38999 Table XVIII	EIA-364-29
Contact Separation Force	SAE AS39029 Table 9	EIA-364-37
Magnetic Permeability	2 µ maximum.	EIA-364-54

MICRO-CRIMP RECTANGULAR CONNECTORS

Series 790 High-Density



Series 790 Material and Finish Options

SERIES 790 HIGH-DENSITY

The Series 790 Micro-Crimp® connector is available in five preferred finishes: electroless nickel, nickel-PTFE, tin-zinc, cadmium, and zinc-nickel.

Additional material and finish options are available. Replace the preferred plating code with the alternate code from the table below.

SERIES 790 SHELL FINISH OPTIONS

	Electroless Nickel	Nickel-PTFE	Tin-Zinc	Olive Drab Cadmium	Black Zinc-Nickel
Glenair Code	M	MT	TZ	N	ZR
Corrosion Resistance	Fair	Excellent	Excellent	Excellent	Excellent
Salt Spray Hours	48	500	500	500	500
Conductivity	Excellent	Excellent	Very Good	Very Good	Very Good
RoHS Compliant ⁽¹⁾	Yes	Yes	Yes	No	Yes

⁽¹⁾ Does not contain cadmium or hexavalent chromium. Meets EU requirements.

TIN-ZINC PLATING

The United States Department of Defense (DOD) has mandated the elimination of cadmium from DOD weapons systems because of toxicity concerns. The European Union has also restricted the use of cadmium on electronics equipment (RoHS). Tin-Zinc is a RoHS cadmium-free sacrificial finish that offers high conductivity and shielding performance, corrosion resistance, solderability, and proven compatibility with legacy cadmium and zinc-nickel finishes. Tin-Zinc is DLA-qualified and RoHS compliant.

ALTERNATE SHELL MATERIAL AND FINISH CODES

Code	Shell Material	Shell Finish	Finish Specification	Salt Spray Hrs.	Electrical Conductivity	RoHS ⁽¹⁾
C	Alum	Anodize, Black	MIL-PRF-8625	48	Non-Conductive	✓
E⁽²⁾	Alum	Chem Film, Gold	MIL-DTL-5541	168	Conductive	
J	Alum	Cadmium, Yellow	AMS-QQ-P-416	500	Conductive	
Z1	SST	Passivate	AMS2700	500	Conductive	✓
Z2	Alum	Gold	MIL-DTL-45204	48	Conductive	✓
ZM	SST	Electroless Nickel	AMS-C-26074	500	Conductive	✓
ZMT	SST	Nickel-PTFE	AMS2454	1000	Conductive	✓
ZW	SST	Cadmium, Olive Drab	AMS-QQ-P-416	500	Conductive	
ZZR	SST	Zinc-Nickel, Black	ASTM B841	500	Conductive	✓

⁽¹⁾ Does not contain cadmium or hexavalent chromium. Meets EU requirements.

⁽²⁾ Maximum temperature = +125°C

MICRO-CRIMP RECTANGULAR CONNECTORS

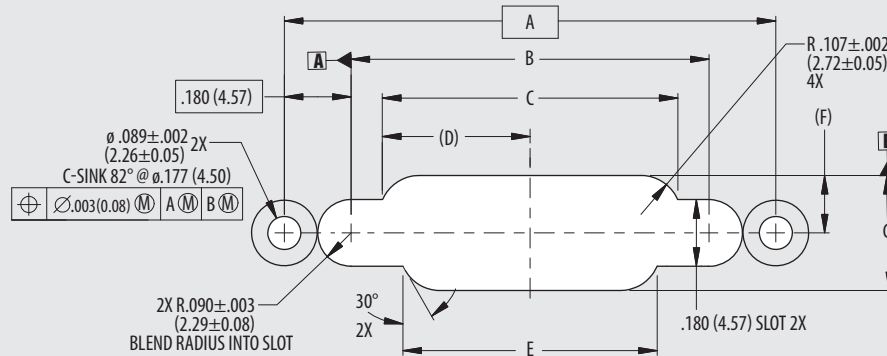
Series 790 High-Density

SERIES™
790
HD

Panel Cutouts for Series 790 Panel Mount Connectors

SERIES 790 HIGH-DENSITY

PANEL CUTOUT FOR SERIES 790 PLUG AND RECEPTACLE SIZES A-G, J-K

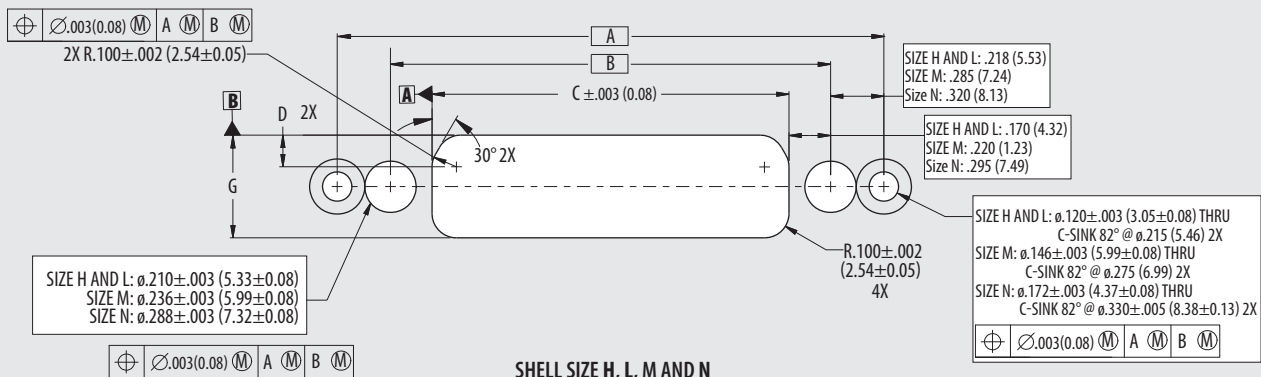


SHELL SIZE A-G, J, AND K

		Shell Size	A Basic		B ± .002 (0.05)		C		D		E		F		G	
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	
Use this cutout for Series 790 connectors with panel mount flange, shell sizes A–G, J, K	790-026															
	790-027	A	.925	23.50	.565	14.35	.396	10.06	.198	5.03	.286	7.26	.157	3.99	.314	7.98
	790-028	B	1.075	27.31	.715	18.16	.546	13.87	.273	6.93	.436	11.07	.157	3.99	.314	7.98
	790-029	C	1.225	31.12	.865	21.97	.696	17.68	.348	8.84	.586	14.88	.157	3.99	.314	7.98
	790-036	D	1.325	33.66	.965	24.51	.796	20.22	.398	10.11	.686	17.42	.157	3.99	.314	7.98
	790-037	E	1.475	37.47	1.115	28.32	.946	24.03	.473	12.01	.836	21.23	.157	3.99	.314	7.98
	790-091	F	1.625	41.28	1.265	32.13	1.096	27.84	.548	13.92	.986	25.04	.157	3.99	.314	7.98
	797-744	G	1.575	40.01	1.215	30.86	1.086	27.58	.543	13.79	.906	23.01	.203	5.16	.406	10.31
	240-790-028	J	1.975	50.17	1.615	41.02	1.448	36.78	.724	18.39	1.345	34.16	.157	3.99	.314	7.98
	240-790-029	K	2.375	60.33	2.015	51.18	1.848	46.94	.924	23.47	1.740	44.20	.157	3.99	.314	7.98
240-790-071																
240-790-072																

Use this cutout for Series 790 connectors with panel mount flange, shell sizes A-G, J, K

PANEL CUTOUT FOR SERIES 790 PLUG AND RECEPTACLE SIZES H,L,M,N



SHELL SIZE H, L, M AND N

Use this cutout for Series 790 connectors with panel mount flange, shell sizes H, L, M, N	790-026	797-744	Shell Size	A Basic		B ± .002 (0.05)		C		D		G	
	790-027	240-790-028		in	mm	in	mm	in	mm	in	mm	in	mm
	790-028	240-790-029	H	2.236	63.50	1.800	45.72	1.460	37.08	.129	3.28	.420	10.67
	790-029	240-790-071	L	2.472	69.49	2.036	51.71	1.696	43.08	.166	4.22	.420	10.67
	790-036	240-790-072	M	2.770	78.36	2.200	55.88	1.760	44.70	.156	3.96	.480	12.19
	790-037		N	3.365	85.47	2.725	69.22	2.135	54.23	.162	4.11	.545	13.84
	790-091												

Use this cutout for Series 790 connectors with panel mount flange, shell sizes H, L, M, N

SERIES 79 MICRO-CRIMP RECTANGULAR CONNECTORS

PCB Footprints for Series 790 and 791

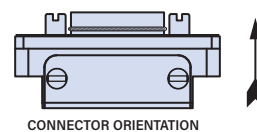
SERIES
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90° PCB Footprints for Series 790 and 791 Connectors



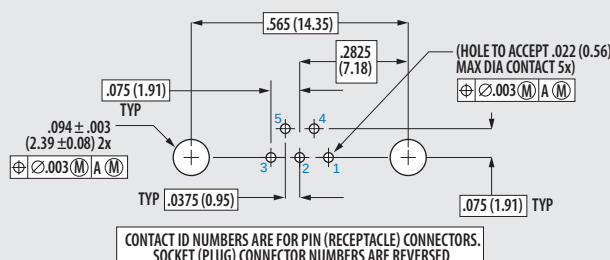
PCB FOOTPRINTS FOR SERIES 790 AND 791 CONNECTORS WITH 90° TAILS

PCB hole patterns are shown for the *component mounting side* of the circuit board.
Circuit board drill patterns for Series 790 and 791 connectors with 90° tails: 790-036, 790-037, 790-041, 790-042, 791-011, 791-012, 791-016, 791-032



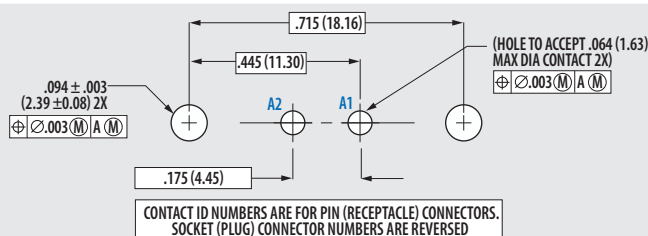
A-5

Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



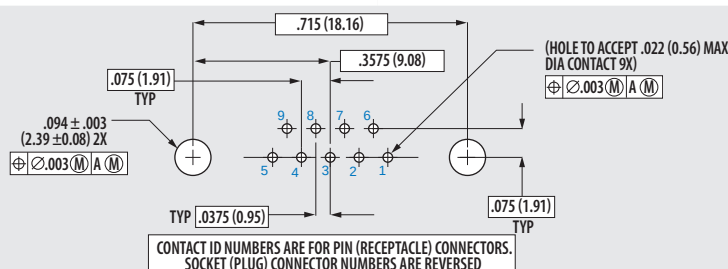
B-2P2

Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



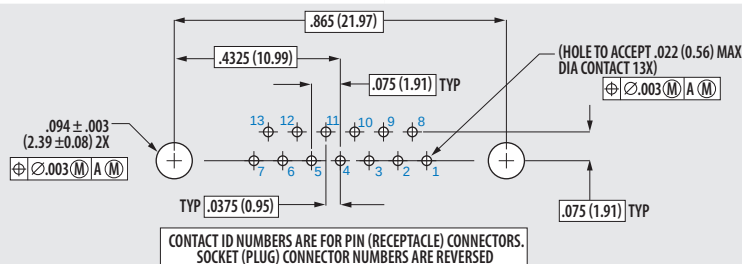
B-9

Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



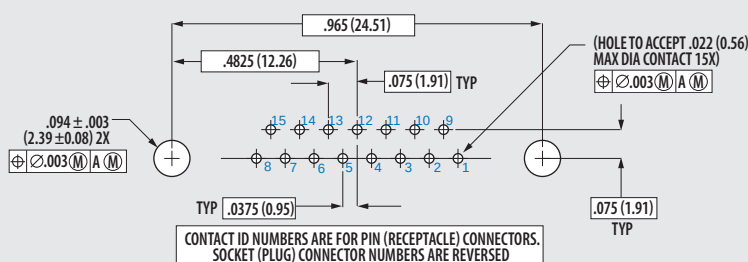
C-13

Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



D-15

Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



SERIES 79 MICRO-CRIMP RECTANGULAR CONNECTORS

PCB Footprints for Series 790 and 791

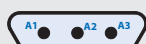
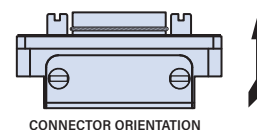


90° PCB Footprints for Series 790 and 791 Connectors

PCB FOOTPRINTS FOR SERIES 790 AND 791 CONNECTORS WITH 90° TAILS

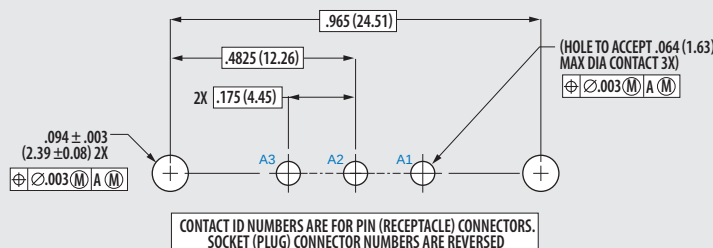


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Circuit board drill patterns for Series 790 and 791 connectors with 90° tails: 790-036, 790-037, 790-041, 790-042, 791-011, 791-012, 791-016, 791-032



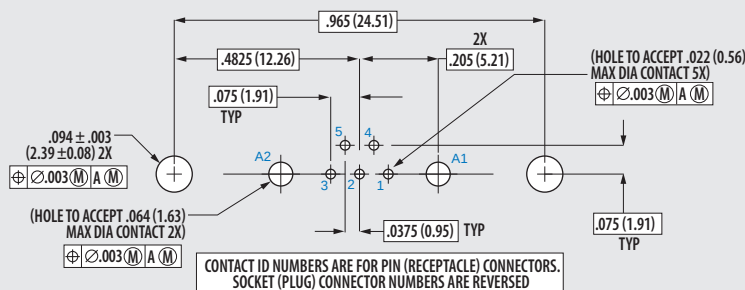
D-3P3

Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



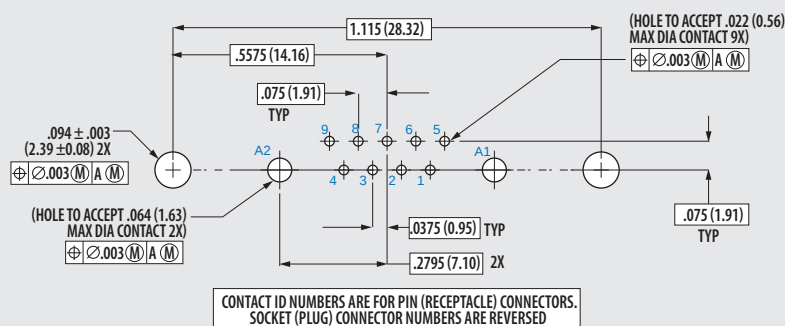
D-7P2

Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



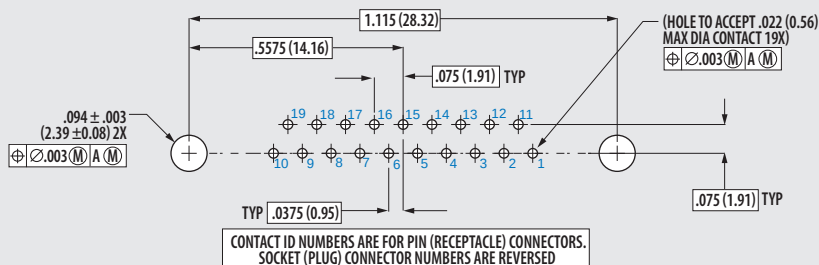
E-11P2

Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



E-19

Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



SERIES 79 MICRO-CRIMP RECTANGULAR CONNECTORS

PCB Footprints for Series 790 and 791

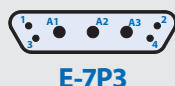
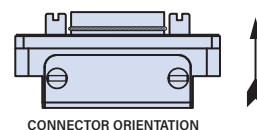
SERIES
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TM

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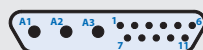
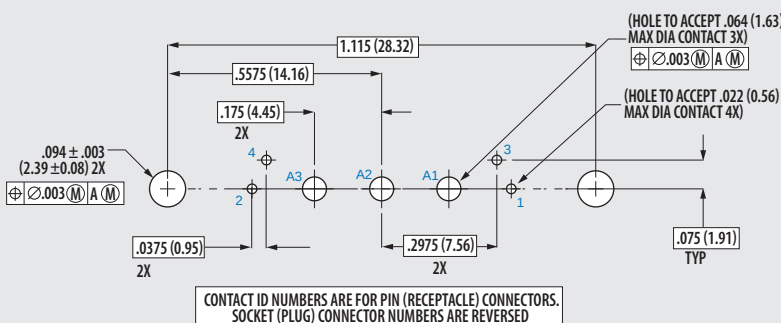


PCB FOOTPRINTS FOR SERIES 790 AND 791 CONNECTORS WITH 90° TAILS

PCB hole patterns are shown for the *component mounting side* of the circuit board.
Circuit board drill patterns for Series 790 and 791 connectors with 90° tails: 790-036, 790-037, 790-041, 790-042, 791-011, 791-012, 791-016, 791-032

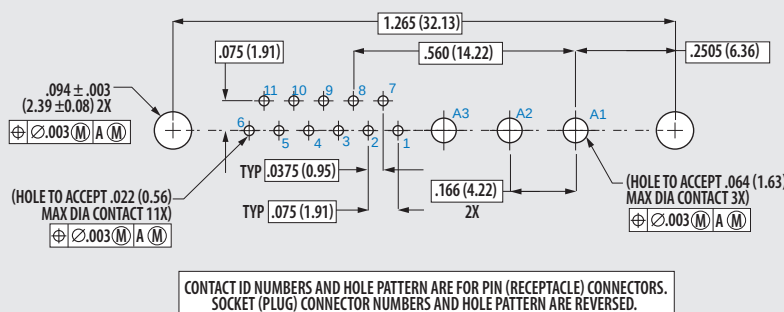


Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.

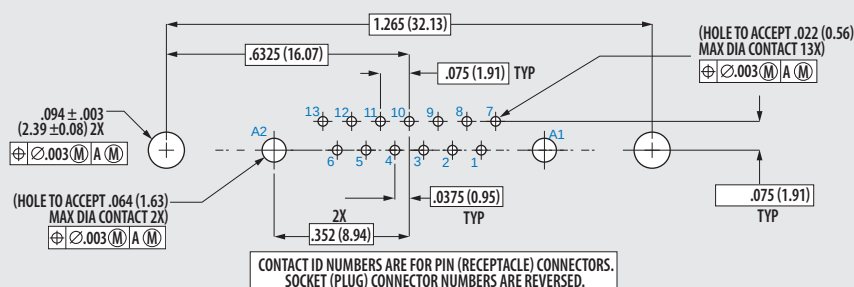


Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.

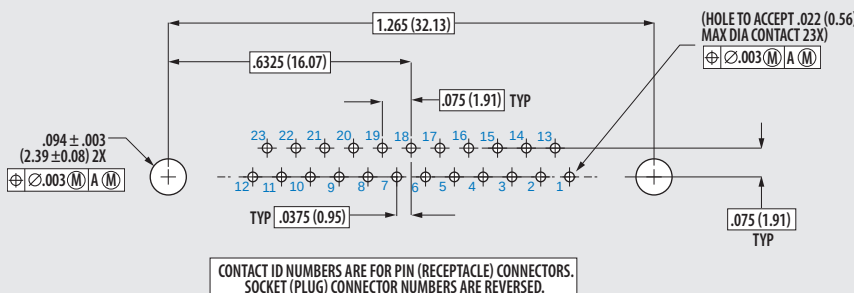
Non-symmetrical arrangement
Pattern must be reversed for use with plug (socket) connector.



Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



SERIES 79 MICRO-CRIMP RECTANGULAR CONNECTORS

PCB Footprints for Series 790 and 791

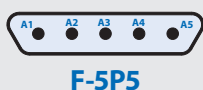
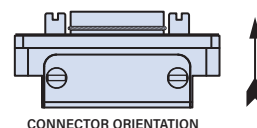


90° PCB Footprints for Series 790 and 791 Connectors

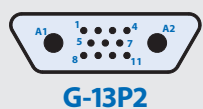
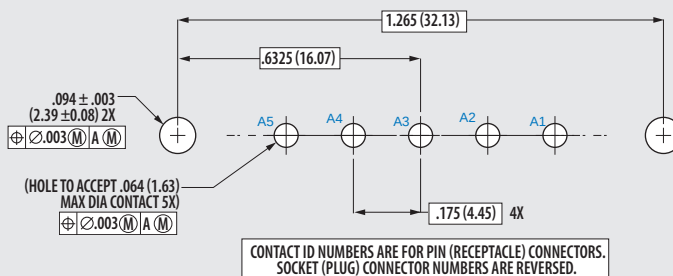
PCB FOOTPRINTS FOR SERIES 790 AND 791 CONNECTORS WITH 90° TAILS



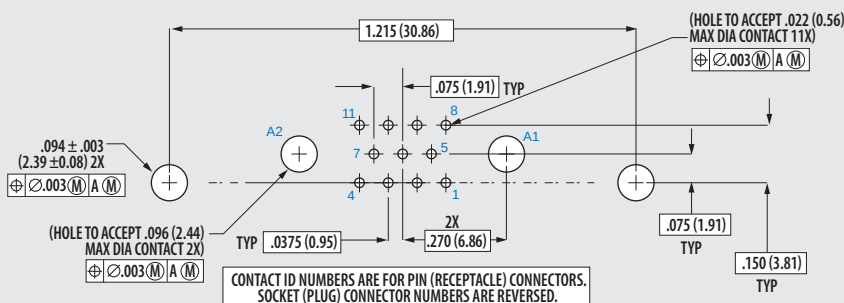
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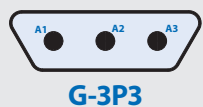
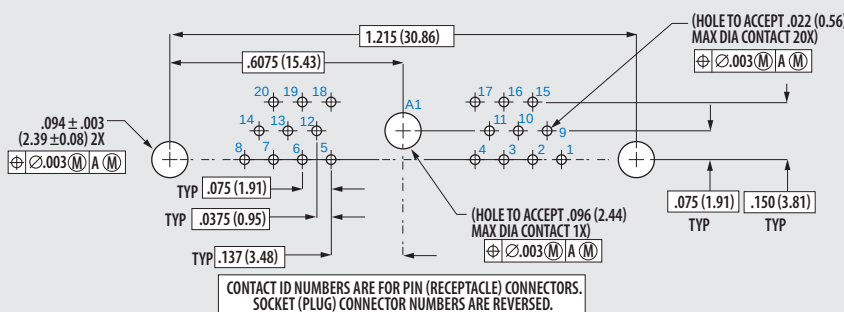
Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



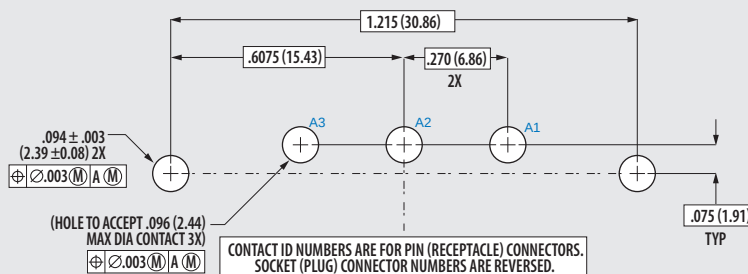
Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



SERIES 79 MICRO-CRIMP RECTANGULAR CONNECTORS

PCB Footprints for Series 790 and 791

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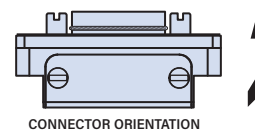
90° PCB Footprints for Series 790 and 791 Connectors



PCB FOOTPRINTS FOR SERIES 790 AND 791 CONNECTORS WITH 90° TAILS

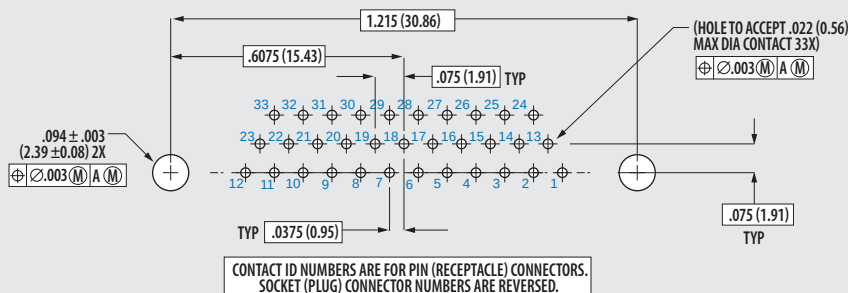
PCB hole patterns are shown for the **component mounting side** of the circuit board.

Circuit board drill patterns for Series 790 and 791 connectors with 90° tails: 790-036, 790-037, 790-041, 790-042, 791-011, 791-012, 791-016, 791-032



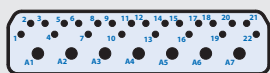
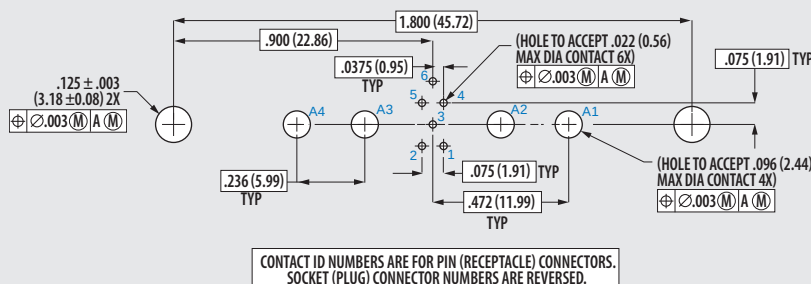
G-33

Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



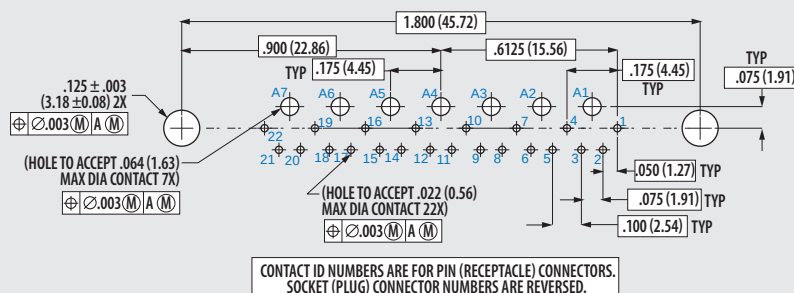
H-10P4

Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



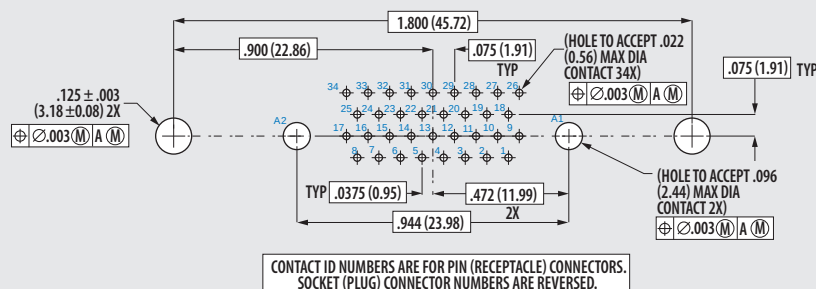
H-29P7

Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



H-36P2

Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



Glenair®

PCB FOOTPRINTS FOR SERIES 790, 791



CONNECTOR ORIENTATION



Figure 1 is a detailed dimensional drawing of a 50-pin connector. The drawing shows a top-down view of a rectangular connector with 50 pins arranged in two rows of 25. Dimensions are provided in inches and millimeters. Key dimensions include: overall width 1.800 (45.72), overall height .125 ± .003 (3.18 ± 0.08) 2X, pin pitch .075 (1.91) TYP, and various internal offsets. Hole dimensions for contact sockets are specified as (HOLE TO ACCEPT .022 (0.56) MAX DIA CONTACT 50X) and (HOLE TO ACCEPT .096 (2.44) MAX DIA CONTACT 1X). A note at the bottom states: "CONTACT ID NUMBERS ARE FOR PIN (RECEPTACLE) CONNECTORS. SOCKET (PLUG) CONNECTOR NUMBERS ARE REVERSED."



Technical drawing of a 50-pin D-sub connector housing. The drawing shows a top view of the housing with dimensions in inches and millimeters. Key dimensions include overall width of 1.800 (45.72), overall height of 1.160 (29.46), and pin pitch of .075 (1.91). The drawing also shows the locations of the contact holes and the positions of the contact pins. A note at the bottom states: "CONTACT ID NUMBERS ARE FOR PIN (RECEPTACLE) CONNECTORS. SOCKET (PLUG) CONNECTOR NUMBERS ARE REVERSED."



Diagram illustrating the pinout and dimensions for a 5-pin D-sub connector. The pins are labeled A5, A4, A3, A2, and A1 from left to right.

Dimensions and Tolerances:

- Pin A5 to Pin A3: .900 (22.86)
- Pin A5 to Pin A1: 1.800 (45.72)
- Pin A4 to Pin A3: .236 (5.99)
- Pin A4 to Pin A1: 1.800 (45.72)
- Pin A5 to Contact Hole: .125 ± .003 (3.18 ± 0.08) 2X
- Pin A1 to Contact Hole: .096 (2.44) MAX DIA CONTACT SX

CONTACT ID NUMBERS ARE FOR PIN (RECEPTACLE) CONNECTORS. SOCKET (PLUG) CONNECTOR NUMBERS ARE REVERSED.

[illegible]

SERIES 79 MICRO-CRIMP RECTANGULAR CONNECTORS

PCB Footprints for Series 790 and 791

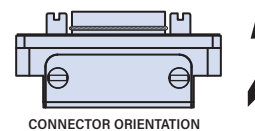
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90° PCB Footprints for Series 790 and 791 Connectors



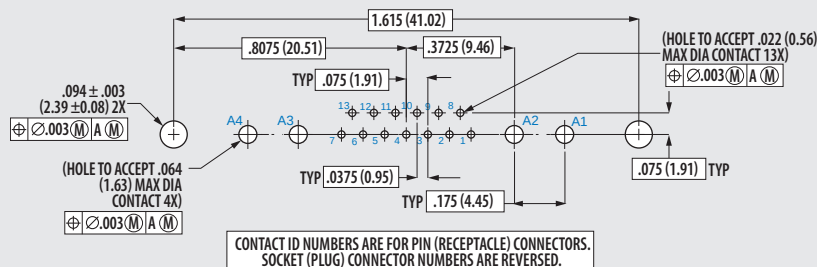
PCB FOOTPRINTS FOR SERIES 790 AND 791 CONNECTORS WITH 90° TAILS

PCB hole patterns are shown for the *component mounting side* of the circuit board.
Circuit board drill patterns for Series 790 and 791 connectors with 90° tails: 790-036, 790-037, 790-041, 790-042, 791-011, 791-012, 791-016, 791-032



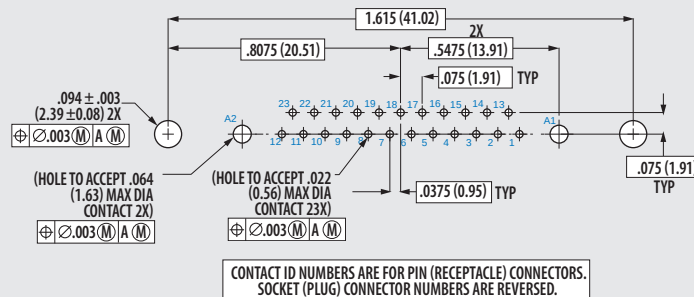
J-17P4

Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



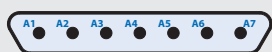
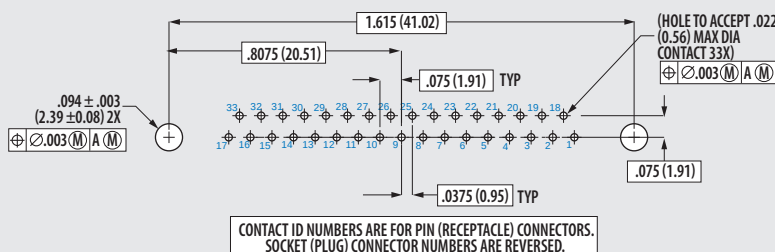
J-25P2

Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



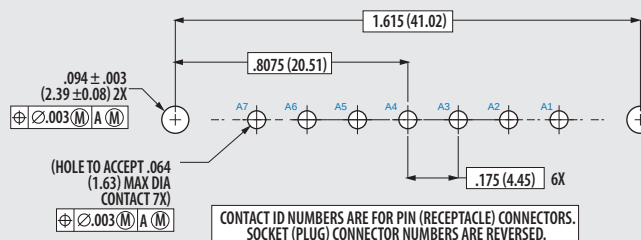
J-33

Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



J-7P7

Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



SERIES 79 MICRO-CRIMP RECTANGULAR CONNECTORS

PCB Footprints for Series 790 and 791

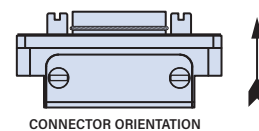


90° PCB Footprints for Series 790 and 791 Connectors

PCB FOOTPRINTS FOR SERIES 790 AND 791 CONNECTORS WITH 90° TAILS

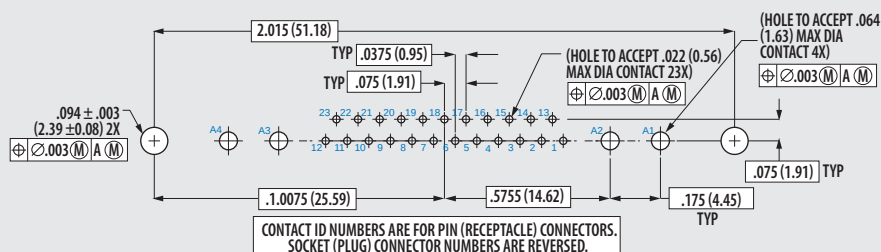


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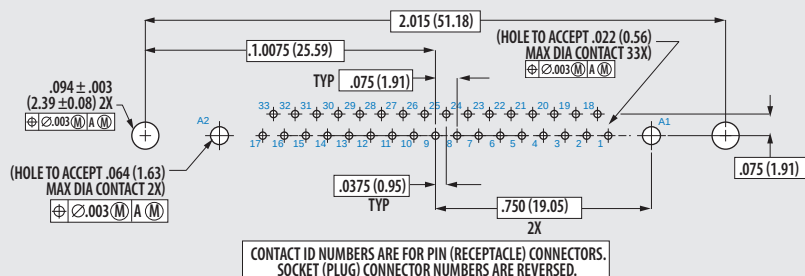
K-27P4

Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



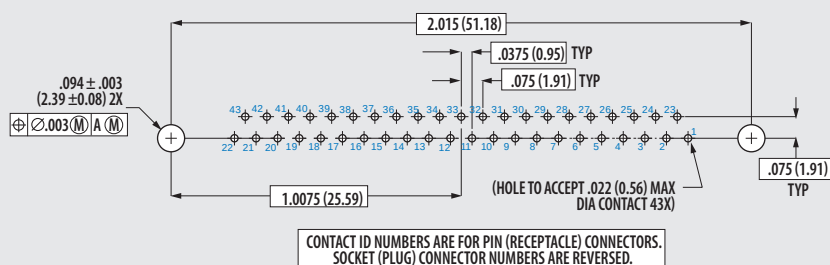
K-35P2

Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



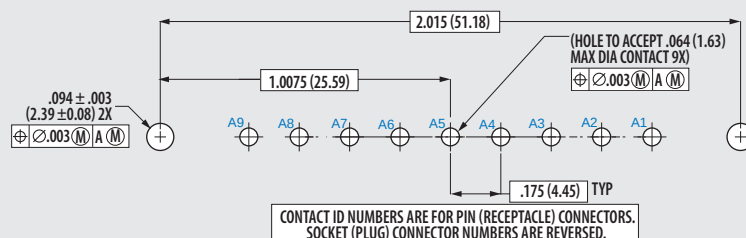
K-43

Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



K-9P9

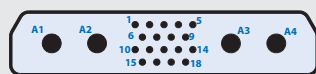
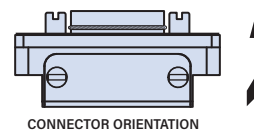
Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



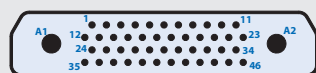
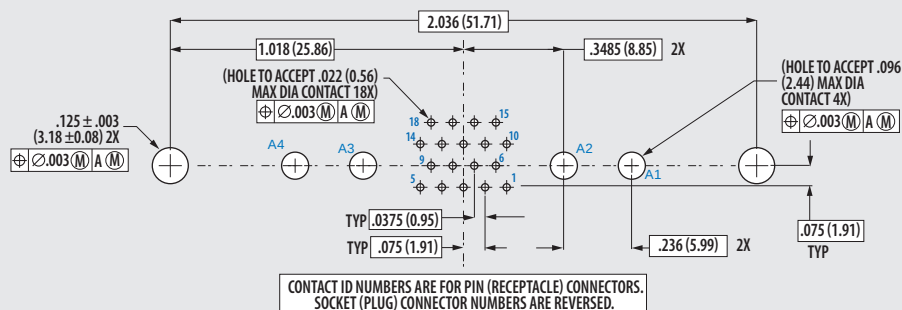
PCB FOOTPRINTS FOR SERIES 790, 791

90° PCB Footprints for Series 790 and 791 Connectors

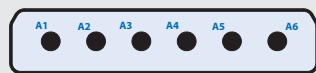
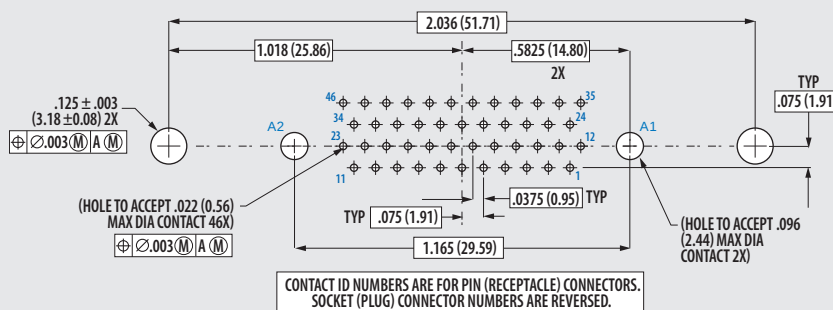
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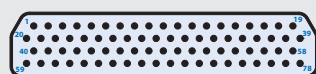
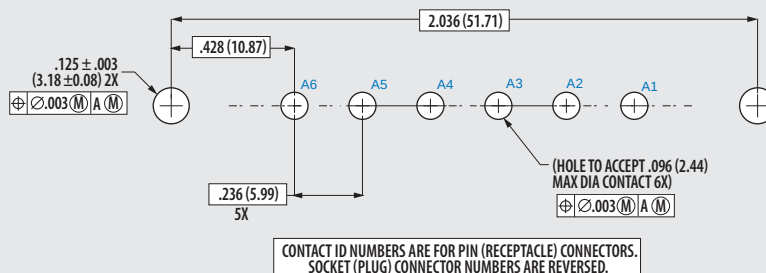
Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



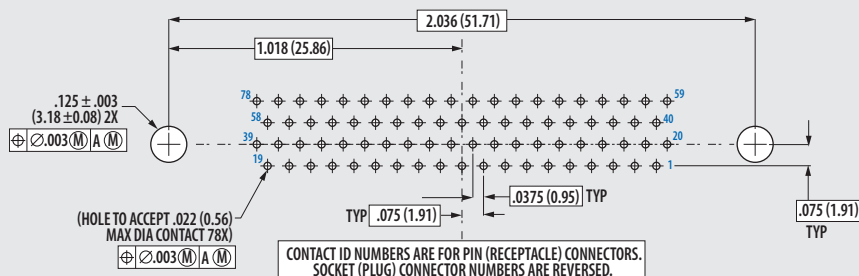
Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



SERIES 79 MICRO-CRIMP RECTANGULAR CONNECTORS

PCB Footprints for Series 790 and 791

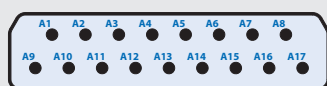
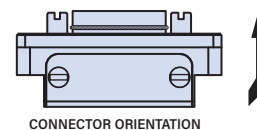


90° PCB Footprints for Series 790 and 791 Connectors

PCB FOOTPRINTS FOR SERIES 790 AND 791 CONNECTORS WITH 90° TAILS

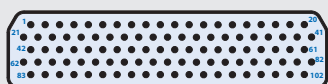
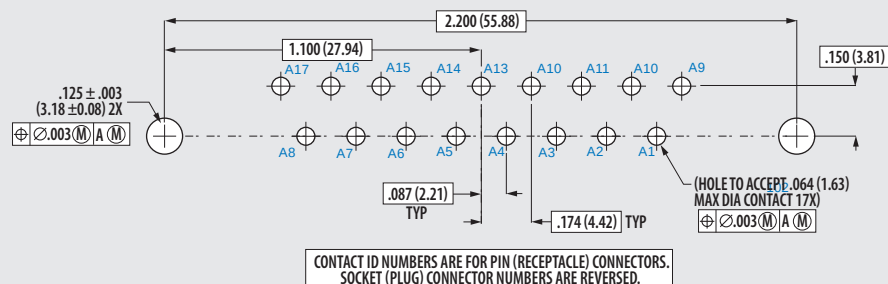


PCB hole patterns are shown for the *component mounting side* of the circuit board.
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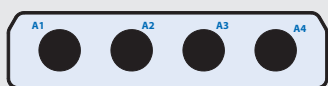
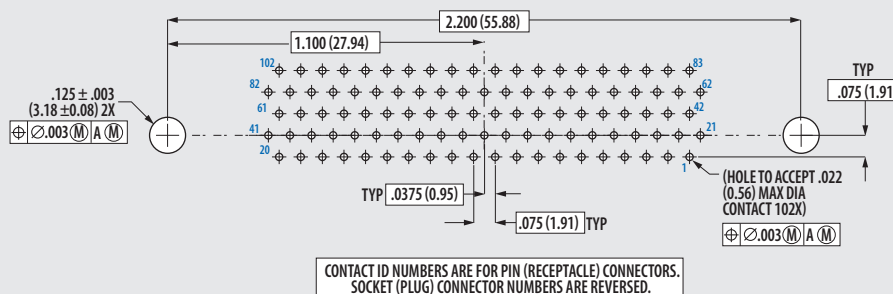
M-17P17

Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



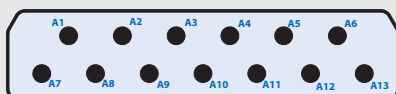
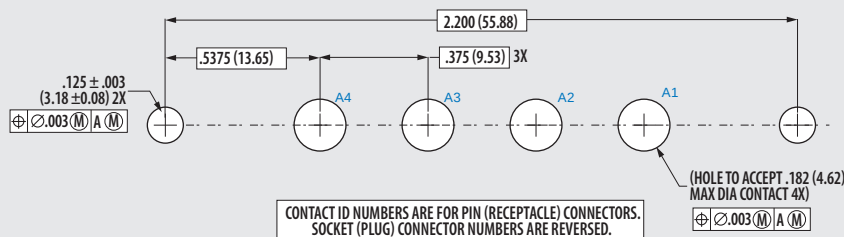
M-102

Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



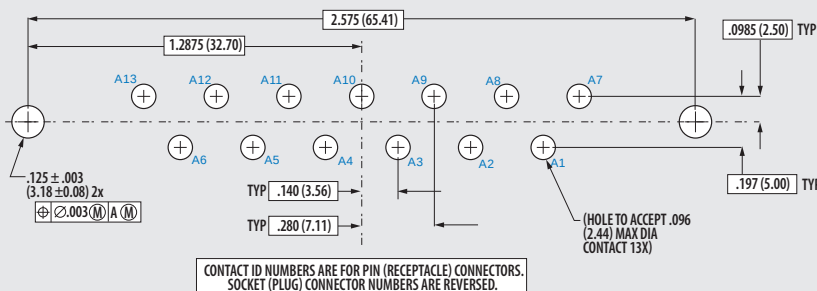
M-4P4

Contact numbers are mating face of pin connector.
Socket connector contact numbers are reversed.



N-13P13

Contact numbers are mating face of pin connector. Socket connector contact numbers are reversed.



SERIES 79 MICRO-CRIMP RECTANGULAR CONNECTORS

PCB Footprints for Series 790 and 791

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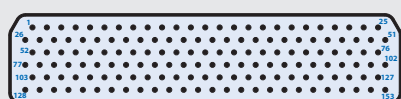
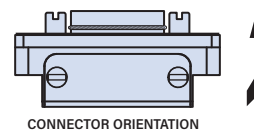
90° PCB Footprints for Series 790 and 791 Connectors



PCB FOOTPRINTS FOR SERIES 790 AND 791 CONNECTORS WITH 90° TAILS

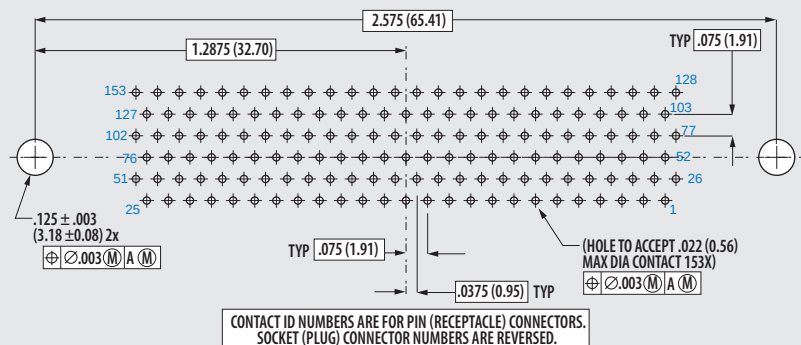
PCB hole patterns are shown for the *component mounting side* of the circuit board.

Circuit board drill patterns for Series 790 and 791 connectors with 90° tails: 790-036, 790-037, 790-041, 790-042, 791-011, 791-012, 791-016, 791-032



N-153

Contact numbers are mating face of pin connector. Socket connector contact numbers are reversed.



PCB FOOTPRINTS FOR SERIES 790, 791