

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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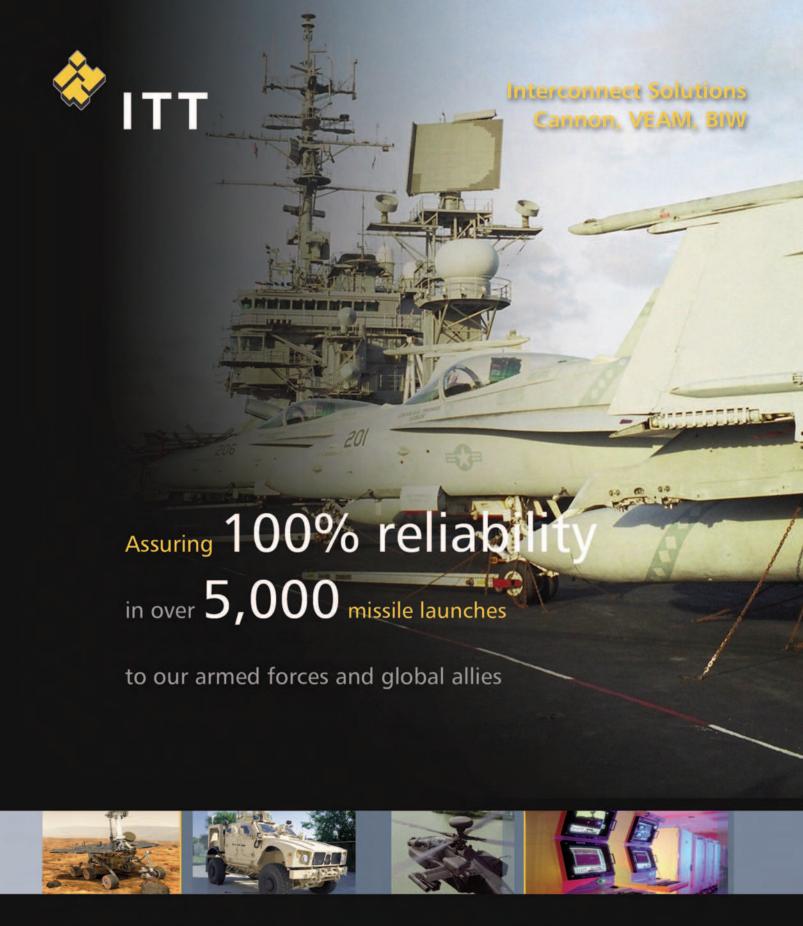
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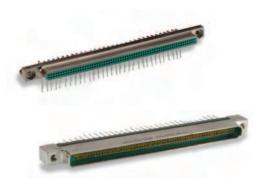
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China











The Micro Edgeboard (MEB) connector series provides a combination of high density and high reliability for applications in airborne and space systems, computers and peripherals, and industrial /commercial control systems. This series incorporates the proven MICROPIN™/MICROSOCKET™ contact. This contact has an outstanding record of high reliability and millions of contacts are in use in various applications where electrical

The MEB has machined aluminum shells for ruggedness, diallyl phthalate insulator for top electrical performance and a 36-position polarization key system to prevent cross plug-

interconnects are used.

ging. Contacts are on .050 (1.27) center spacings. A variety of termination types are available, including 90° or right angle pigtails for multi-layered P.C. boards, "coke bottle" termination for double-sided P.C. boards. Harnessing capability is also available for both pin and socket sides.

The MEB, including the SBR 90° or right angle variation available for multi-layer boards, can be mounted on the female (daughter) side of double or single-sided P.C. boards. The mating male (mother) board side can have the terminations formed to meet the application demands.

Conforms to MIL-C-55302/120 thru 123. (not qualified)

MATERIALS AND FINISHES						
Shell:	6061-T6 Aluminum Alloy per QQ-A-200/8 or QQ-A-225/8, electroless nickel per SAE AMS-C-26074, Class 4, except .0010 to .0015 (0.03 to 0.04) thick or conversion coating per MIL-C-5541, Class 3, color gold.					
Contact, Pin and Socket:	Copper Alloy, 50 microinch gold per ASTM B488, Type II, Code C, Class 1.25	Size or L				
Jacksæw/Jackpost:	303 stainless steel, passivated per QQ-P-35. Glass-filled diallyl phthalate per MIL-M-14, Type SDG-F, color green Polyester					
Insulator:						
	per MIL-M-24519, Type GPT-30F, color black available for MEB-128 upon					
	request.					

INATION TYPES

factory for stranded wie lead modifications codes.

IANICAL FEATURES

TERMINATION MODIFICATIONS

Solder pots

wire

OTHER MODIFICATIONS

Consult factory

Uninsulated solid wire

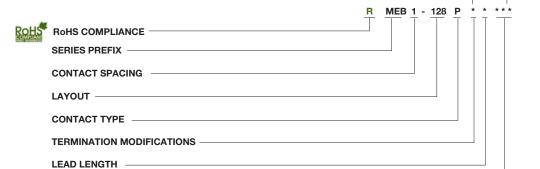
Consult factory for wire lead modification codes.

Insulated stranded round harness

PC board right angle, socket side only

Size or Length:	2 sizes
Coupling:	Friction/Jackscrew
Polarization:	Shells, polarizing keys (36 positions)
Contact Spacing Centers:	.050 (1.27)
Shell Styles:	Plug and receptacle

Not applicable for printed circuit board configurations shown on pages D-67 & D-68.



L-

H -

S-

BR -

SERIES PREFIX

OTHER MODIFICATIONS -

MEB -Micro edgeboard, plug with twist pin

contacts or recept. with microsocket contacts.

CONTACT SPACING

1 - .050 (1.27) centers 128/184 2 - .100 (2.54) centers 64/92 (alternate contact holes)

LAYOUT

64, 92, 128, 184

CONTACT TYPE

P - Pin

S - Socket



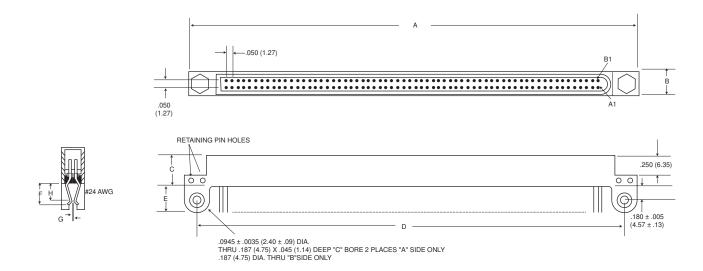


Dimensions shown in inches (mm) Specifications and dimensions subject to change

^{*} For other contact spacing acommodations consult customer service.

Plug (Mother Board)

MEB1-12BS

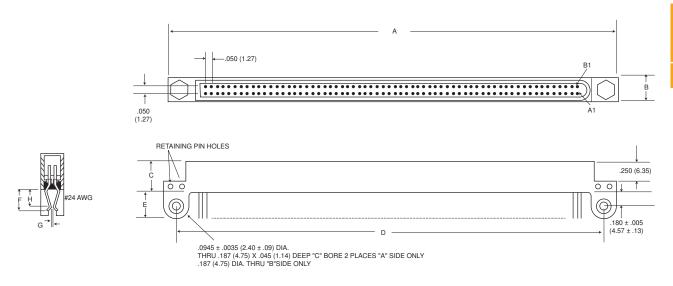


Part No.	Weight oz. (gm.) Max.	A ±.015 (0.38)	B ±.010 (0.25)	C ±.010 (0.25)	D ±.010 (0.25)	E ±.010 (0.25)	F Max.	G* Max.	H ±.020 (0.51)
128S	.5 (14.17)	3.950 (100.33)	.250 (6.35) .400 (1	400 (10 16)	00 (10.16) 3.700 (93.98)	.300 (7.62)	.280 (7.11)	.030 (0.76)	.200 (5.08)
128SBR	.5 (14.17)	3.930 (100.33)		.400 (10.10)					.200 (3.00)

^{*}Will accept up to .093 (2.36) thick P.C. Board with shell modifications.

Receptacle (Daughter Board)

MEB1-12BS

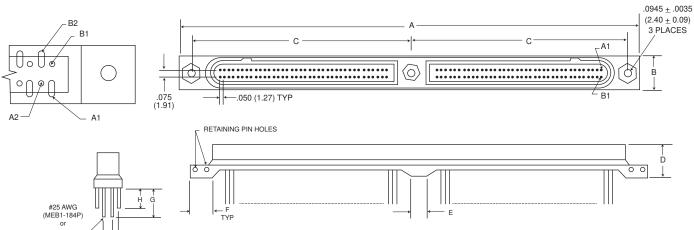


Part No.	Weight oz. (gm.) Max.	A ±.015 (0.38)	B ±.010 (0.25)	C ±.010 (0.25)	D ±.010 (0.25)	E ±.010 (0.25)	F Max.	G* Max.	H ±.020 (0.51)
128S 128SBR	.5 (14.17) .5 (14.17)	3.950 (100.33)	.250 (6.35)	.400 (10.16)	3.700 (93.98)	.300 (7.62)	.280 (7.11)	.030 (0.76)	.200 (5.08)

^{*}Will accept up to .093 (2.36) thick P.C. Board with shell modifications.



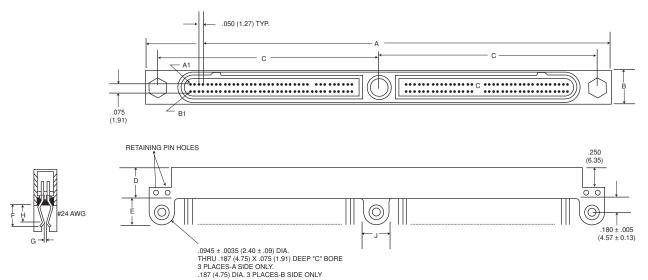
.075 (1.91) TYP.



Part No.	Weight oz. (gm.) Max.	A ±.015 (0.38)	B ±.010 (0.25)	C ±.005 (0.13)	D ±.010 (0.25)	E ±.010 (0.25)	F ±.010 (0.25)	G ±.025 (0.64)	H ±.025 (0.64)
184P	1.0 (28.35)	5.800 (147.32)	.343 (8.71)	2.775 (70.49)	.400 (10.16)	.250 (6.35)	.280 (7.11)	.350 (8.89)	.275 (6.99)



MEB1-184S



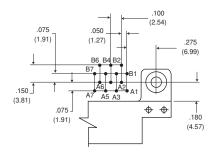
	Weight	Α	В	С	D	E	F	G	Н	J
Part No.	oz. (gm.) Max.	±.015 (0.38)	±.010 (0.25)	±.005 (0.13)	±.010 (0.25)	±.010 (0.25)	Max.	Max.	±.020 (0.51)	±.010 (0.25)
184S	1.0 (28.35)	E 000 (1.47.00)	040 (0.71)	0.775 (70.40)	400 (10 16)	200 (7.60)	000 (7.11)	020 (0.76)	000 (F 00)	050 (6.05)
184SBR	1.0 (28.35) 1.0 (28.35) 5.800 (147.32)	.343 (8.71) 2.775 (70.48	2.775 (70.49)	.400 (10.16) .300 (7	.300 (7.62)	(7.62) .280 (7.11)	.030 (0.76)	.200 (5.08)	.250 (6.35)	

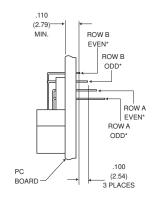
All round pigtail #25 AWG wire termination designs available for the MEB1-12B receptacle will apply on the MEB1-184 series also.

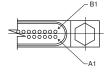
^{*}Will accept up to .093 (2.36) thick P.C. Board with shell modifications.



MEB1-128SBR

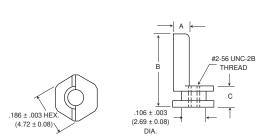


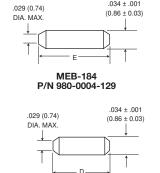




Polarizing Hardware Kit MEB-128-P/N 320-9514-003 MEB-184-P/N 320-9514-002

Contains 2 polarizing keys and 4 spiral pins.





.034 ± .001

MEB-128 P/N 980-0003-879 P/N 201-9509-000

A	B	C	D	E
± .003 (0.08)	± .005 (0.13)	± .003 (0.08)	± .010 (0.25)	± .010 (0.25)
.081 (2.06)	.325 (8.26)	.089 (2.26)	.250 (6.35)	

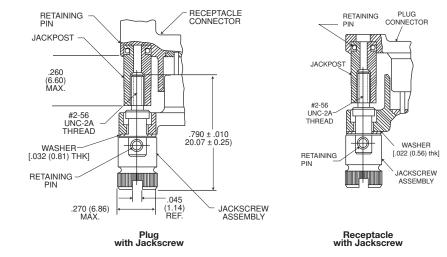


Jackpost Kit

MEB plug or receptacle-P/N 320-9514-001 Contains 2 bushings and 4 spirals pins

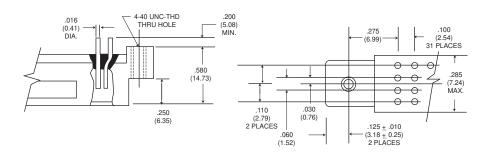
Jackscrew Kit

MEB plug-P/N 320-9521-001 MEB receptacle-P/N 320-9521-000 Contains 2 jackscrew assemblies



Special Variations

Alternative Receptacle Configuration











The Cannon Centi connectors are especially suitable for commercial applications such as computers, instrumentation, communications and audio equipment. They are available in D subminiature size metal shell rectangular, plastic shell rectangular and strip configurations.

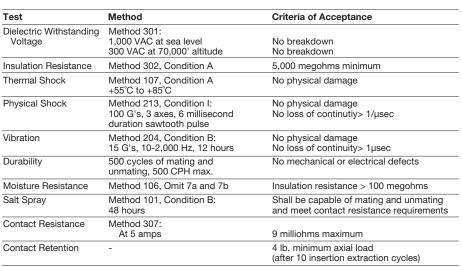
All Centi connectors use the reliable twist pin contact design in a 5 amp version terminated on .075 (1.91) and .100 (2.54) centers. The Centi contact is crimp removable, connectors are available for customer assembly. Standard crimp and assembly tools are available.

The twist pin contact is recessed within the insulator housing while the rugged cylindrical socket is exposed. When the connector halves are mated, the chamfered sockets guide the pins into positive alignment. The Centipin™ contact, now under compression, forms a multi-point contact with the Centisocket™ to provide a high degree of reliability.

Standard Data

- Contact rating: 5 amps max, except BR Series (2 amps max.)
- Minimum contact centers: 0.075 (1.91).
- Wire sizes: #22 thru #26 AWG, stranded or solid.
- Contact termination: Multiple indent crimp.
- Contact retention: Crimp snapin/removable.
- Contact materials and finish: Copper alloy, gold- plated per ASTM B488, Type II, Code C, Class 1.25.
- Mating/unmating force: 12 oz. per contact, max.

Performance Data







2DD100S

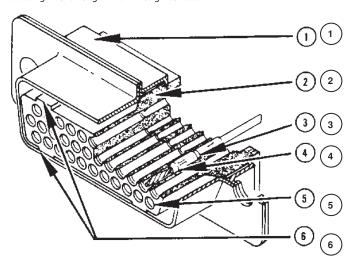
The Double Density D is a rectangular connector in the popular D Subminiature shell configuration featuring double the contact density in the same insert area. The Double Density D connector can thus accommodate up to 100 contacts instead of

This double contact density is achieved by using field-proven, highly reliable Centipin™/Centisocket™ contacts on .075 (1.91) centers, in the positive contact alignment design. In this design contact

positions are reversed; the flexible Centipin™ contacts are recessed in the insulator and the more rugged Centisocket[™] contacts are exposed. This reversal of positions, and the chamfered-entry of the sockets, assures positive mating even under severe misalignment conditions. The contacts are retained in the monobloc insulator by a resilient internal shoulder that snaps into a locking groove in the contact. The chamfered front of the contact will not damage the internal shoulder in the insulator.

Contacts are crimp removable type.

The Double Density D connector is available in the five popular shell and insert sizes accommodating up to 100 contacts. These connectors mate exclusively with other Double Density D connectors. A wide range of accessories can be used, including junction shells, potting cups, switching shells, guide pin plates, and dust caps.



1. STANDARD D HARDWARE-

Including full range of D-Subminiature accessories

2. ONE PIECE MONOBLOCK INSULATOR-

glass-filled nylon material

3. CONTACT RETENTION-

thermoplastic internal shoulder snaps into a locking groove in the contact.

Retention Force: 8 lbs. min. initially, 4 lbs. min. after 10 cycles.

4. TWIST PIN CONTACTS-

seven outer wiping surfaces assure electrical continuity even under severe shock and vibration

5. POSTIVE CONTACT ALIGNMENT-

flexible pin is recessed in insulator cavity and rugged socket is exposed

6. GUIDE-IN KEYS AND KEYWAYS-

assure alignment during mating and prevent scooping

WEIGHT				
Part Number by shell size	Weight Less With		Weight Less With	. ,
2DE19P	4.05	5.02	.142	.177
2DE19S	3.75	5.17	.133	.182
2DA31P	5.20	6.78	.183	.239
2DA31S	4.90	7.22	.173	.255
2DB52P	8.75	11.40	.308	.402
2DB52S	7.15	11.05	.252	.390
2DC79P	11.70	15.73	.413	.555
2DC79S	9.70	15.62	.342	.551
2DD100P	12.85	17.95	.453	.633

10.95

18.45

.386

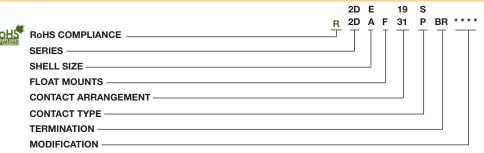
.651

MATERIALS AND FINISHES						
*Shell	- Steel cadmium plated with vellow chro-					

Sileli	-	Steel, caumium plated with yellow child
		mate supplementary coating
Mounting Hardware	-	Stainless steel
and Float Mounts		
Insulator	-	Glass-filled nylon
Contacts	-	Copper alloy, gold plate
Alternate finish,	-	A106 Gold over brass
Modification Code		A156 Gold over brass
		A197 Tin/Lead over steel
*Brass non-magnet	ic	also available

MECHANICAL FEATURES

Sizes	- Five shell sizes: E, A, B, C, and D
Coupling	- Friction or jackscrew
Polarization	- Keystone-shaped shells
Contact Spacing	075 (1.91)
Contact Termination	- Crimp snap-in



NOTE: Connectors may be ordered less contacts by adding the mod callout "FO" at end of number. Contacts are then supplied in bulk form.

CONTACT ARRANGEMENT

19, 31, 52, 79 and 100

CONTACT TYPE*

P - Pin

S - Socket

TERMINATION

BR - 90° right angle PCB mounting (For BR Series use "P" to designate jackpost)

MODIFICATION

F171 - Jackpost assembly

F172 - Standard jackscrew

F173 - Low profile jackscrew

For other modifications consult factory

Dimensions shown in inches (mm) Specifications and dimensions subject to change



FLOAT MOUNTS

2D - Double Density D

E, A, B, C and D

Omit if not required

SERIES

SHELL SIZE

^{*} Accommodates AWG #26 thru #22