

# 3M™ D Sub EMI Junction Shell

Metalized Plastic



- Protection from EMI/ESD
- Easy assembly reduces time and labor for low cost
- Light weight and a compact design
- Strain Relief compensates for multiple cable diameters
- Jack screws provide positive retention
- RoHS\* compliant

Date Modified: August 25, 2005

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## Physical

### Shell and Hardware

Shell Material: ABS

Shell Plating: Nickel Over Copper

Hardware: (2) Jackscrews #4-40 × .438"

(2) Saddle Washers #4

(2) Nuts #4-40

(2) Screws #4-40 × .450"

Material: Steel

Plating: Bright Zinc

### Compression Insert:

Material: Thermo Plastic Elastomer

Flammability: UL 94HB

Durometer: 75 + / -5

Mounting Hardware: See Specification Sheet TS-0142

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## Environmental

Temperature Rating: 0°C to +75°C

\*RoHS = Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment  
"RoHS compliant" means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's knowledge and belief based upon information provided by third party suppliers to 3M.



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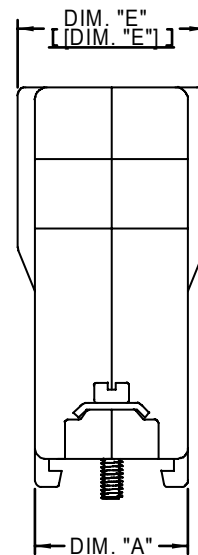
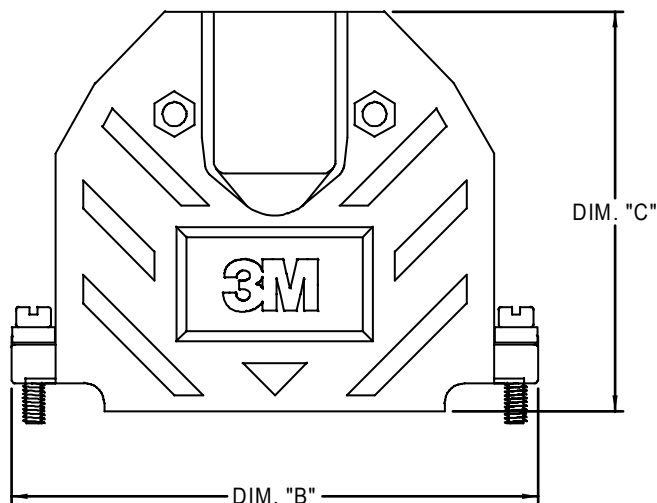
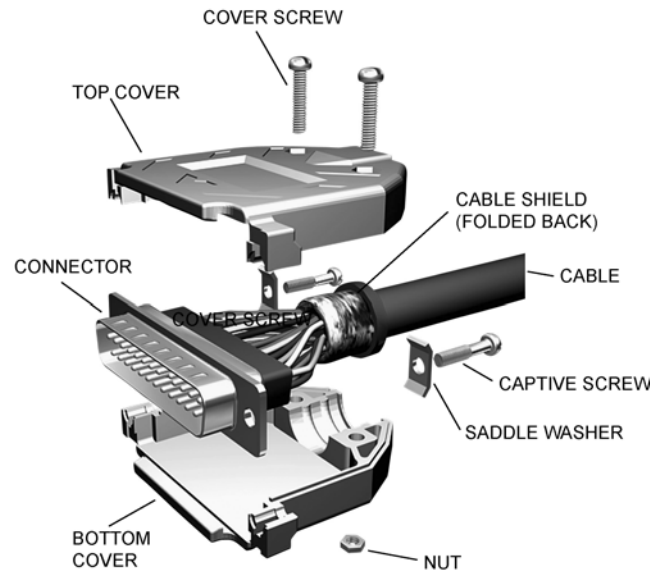
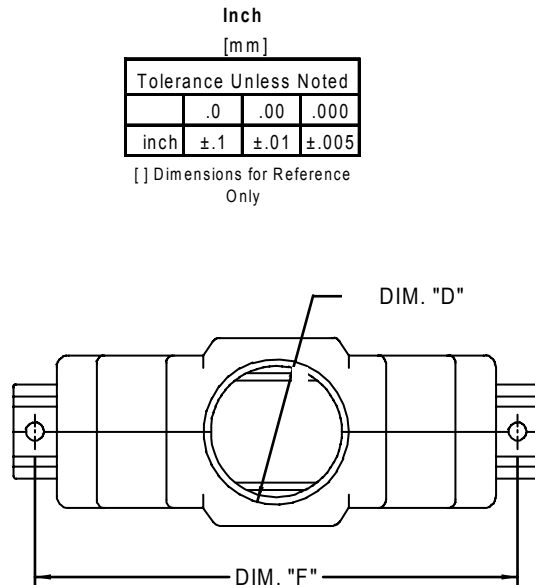


Table 1 - Junction Shell

3M Part Number	Dimensions						Cable O.D. Range	
	Dim. "A"	Dim. "B"	Dim. "C"	Dim. "D"	Dim. "E"	Dim. "F"	Min	Max*
3357-6209-1C	.640 [16.25]	1.217 [28.62]	1.692 [42.98]	.400 [10.10]	N/A	.984 [25.00]	0.19 [ 4.8]	0.35 [8.9]
3357-6215-1C		1.540 [39.12]	1.650 [41.91]	.400 [10.10]	N/A	1.312 [33.33]	0.19 [ 4.8]	0.35 [8.9]
3357-6225-1C		2.090 [53.08]	1.800 [45.72]	.522 [13.26]	.710 [18.03]	1.857 [47.17]	0.19 [ 4.8]	0.46" [11.7]
3357-6237-1C		2.734 [69.44]	1.975 [50.16]	.726 [18.44]	.906 [23.01]	2.500 [63.50]	0.30 [ 7.6]	0.68" [17.27]
3357-6250-1C	.770 [19.56]	2.645 [67.18]	2.000 [50.80]	.726 [18.44]	.940 [23.88]	2.406 [61.11]	0.30 [ 7.6]	0.84" [21.34]

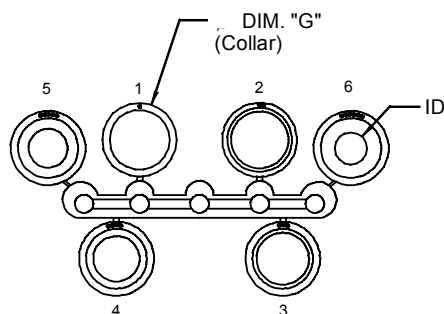
Note: \*These numbers will vary depending upon the compressibility of the wire.

**Backshell Dimension Table**  
**Table 1**

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# 3M™ D Sub EMI Junction Shell

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**Elastomeric Backshell Inserts**  
**Figure 1**

Table 2 - Compression Inserts													
Insert For	Dimensions												
	1		2		3		4		5		6		G
	OD	ID	OD	ID	OD	ID	OD	ID	OD	ID	OD	ID	
3357-6209	0.475 [ 12.07 ]	0.320 [ 8.13 ]	0.360 [ 9.14 ]	0.315 [ 8.00 ]	0.360 [ 9.14 ]	0.285 [ 7.24 ]	0.360 [ 9.14 ]	0.255 [ 6.48 ]	0.360 [ 9.14 ]	0.210 [ 5.33 ]	N/A	N/A	0.475 [ 12.07 ]
3357-6215													
3357-6225	0.600 [ 15.24 ]	0.450 [ 11.43 ]	0.450 [ 11.43 ]	0.410 [ 10.41 ]	0.450 [ 11.43 ]	0.370 [ 9.40 ]	0.450 [ 11.43 ]	0.300 [ 7.62 ]	0.450 [ 11.43 ]	0.230 [ 5.84 ]	N/A	N/A	0.600 [ 15.24 ]
3357-6237	0.655 [ 16.64 ]	0.650 [ 14.48 ]	0.700 [ 17.78 ]	0.620 [ 15.75 ]	0.810 [ 20.57 ]	0.570 [ 16.51 ]	0.655 [ 16.64 ]	0.500 [ 12.70 ]	0.655 [ 16.64 ]	0.425 [ 10.80 ]	0.655 [ 16.64 ]	0.350 [ 8.38 ]	0.810 [ 20.58 ]
3357-6250	0.810 [ 20.57 ]	0.650 [ 16.51 ]	0.700 [ 17.78 ]	0.620 [ 16.51 ]	0.655 [ 16.64 ]	0.570 [ 16.51 ]	0.655 [ 16.64 ]	0.500 [ 16.51 ]	0.655 [ 16.64 ]	0.425 [ 16.51 ]	0.655 [ 16.64 ]	0.350 [ 16.51 ]	0.810 [ 20.58 ]

**Cable Insert Dimension Table**  
**Table 2**

## Ordering Information

**3357-62XX-1C**

Backshell Size  
09 = 9 Pin  
15 = 15 Pin  
25 = 25 Pin  
37 = 37 Pin  
50 = 50 Pin

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