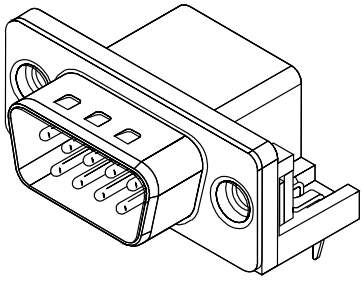
D-Subminiature Shielding I/O Plug

87203

Through Hole



FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 9, 15 and 25 circuits
- Fork lock provides positive PCB retention
- Indents in metal shell ensure reliable grounding
- Metal shell provides EMI/RFI shielding
- Intermateable with industry-standard receptacles

Reference Information

Product Specification: PS-87203
Packaging: Tray
UL File No.: E45587
Mates With: 87204
Designed In: Millimeters

Electrical

Voltage: 300V DC
Current: 1.0A min.
Contact Resistance: 20mΩ max.
Dielectric Withstanding Voltage: 750V AC RMS/1 min.
Insulation Resistance: 1000 MΩ min.

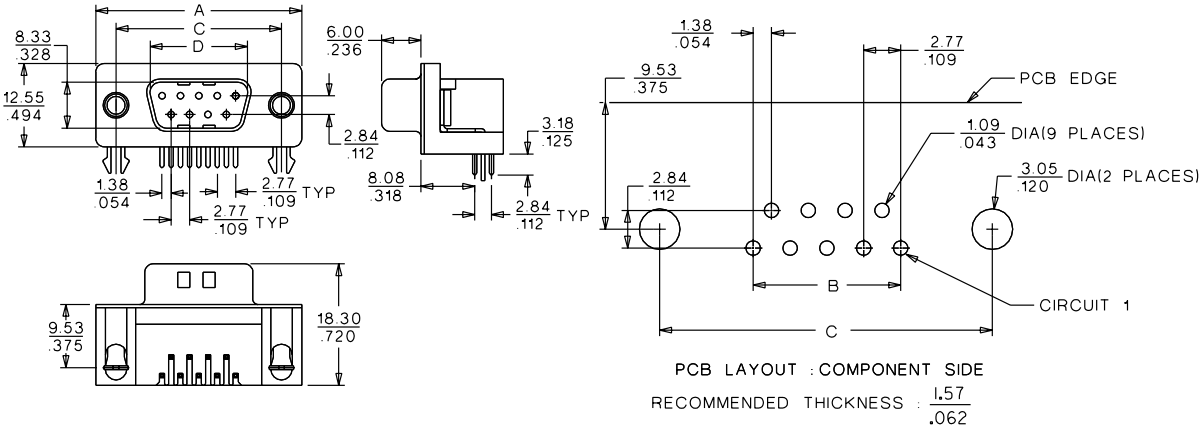
Mechanical

Contact Insertion Force: 7.84N (1.76 lb) max.
Contact Withdrawal Force: 0.98N (0.22 lb) max.
Terminal Retention: 22.25N (4.99 lb) min.
Mating Force: 9 circuits—44.94N (9.99 lb) max.
15 circuits—173.56N (38.96 lb) max.
25 circuits—124.56N (27.96 lb) max.
Unmating Force: 9.80N (2.20 lb) min.
Durability: 1000 cycles

Physical

Housing: Black polyester, UL 94V-0
Contact: Brass
Shell: Steel
Plating: See Ordering Table
Operating Temperature: -55 to +85˚C

CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Plating	Dimension A	Dimension C	Dimension D
9	87203-004X	30µ" Gold	30.81 (1.213)	24.99 (.984)	16.92 (.666)
	87203-104X				
	87203-204X				
	87203-604X				
	87203-704X				
	87203-804X				
15	87203-015X	15µ" Gold	39.14 (1.541)	33.32 (1.312)	25.25 (.994)
	87203-115X				
	87203-215X				
	87203-615X				
	87203-715X				
	87203-815X				
25	87203-036X	Gold Flash	53.04 (2.088)	47.04 (1.852)	38.96 (1.534)
	87203-136X				
	87203-236X				
	87203-636X				
	87203-736X				
	87203-836X				

Screw Option	Description	No. of Pieces
1	#4-40 round inner thread screw riveted	2
2	Flush insert only	0
3	#4-40 hex inner thread screw assembled	2
4	M2.6 inner thread screw assembled	2
5	M3 inner thread screw assembled	2
6	#4-40 hex inner thread screw attached	2
7	M2.6 inner thread screw attached	2
8	M3 inner thread screw attached	2

Note: Replace X with number of Screw Option 1 to 8