

Global Business Unit Electronics

D-Sub SMT flyer



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The next generation with D-Sub: Surface Mount



HARTING introduces a surface mount assembly version of the D-Sub.

Design has been optimized around key points to provide reliable processing and long-term usage. It allows surface mounting of this very standard connector, thus simplifying PCB assemblies and broadening its range of application.

It is available in 9 to 25 positions, standard angled with a large choice of mounting hardware.

A low profile range is planned for release in the coming months and will combine the same features and benefits

- Controlled centre of gravity provides anti toppling properties necessary during reflow processing
- Special “no insertion force” pegs for reliable positioning on the PCB
- Provided with a flat area for full compatibility with vacuum pick and place equipments
- 9 and 15 p are delivered in 120 pieces reels; for larger sizes, packaging will be made according to the customer equipment.
- Performance level: PL3 & PL2.
- Mounting hardware: M3 & 4-40 UNC threaded insert; M3 & 4-40 UNC female screw locks

Specification

Front shell	Nickel-plated steel
Housing	LCP, black
Flammability	UL 94 V0
Contact material	Phosphor Bronze
Contact plating	
terminating side:	Flash gold
mating side:	Selective gold plating per performance level
Grounding brackets	Tin plated die cast Zamac
Female screw lock	Nickel plated brass

All material are RoHS compliant

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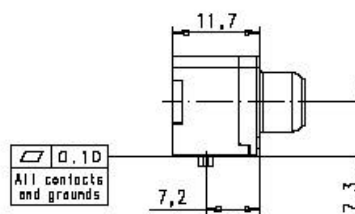
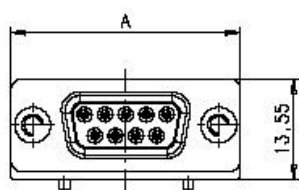


Connector range

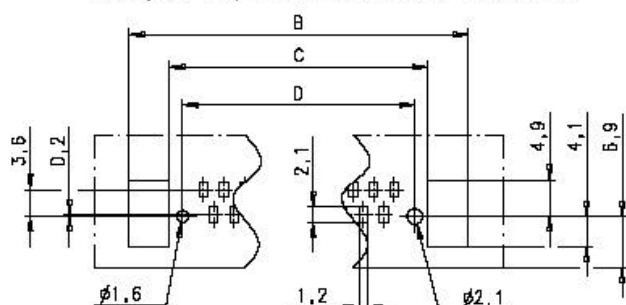
Type		M3 threaded insert	4-40 UNC threaded insert	M3 female screw lock	4-40 UNC female screw lock	
Plug	9	PL2	09 55 166 6811 741	09 55 166 6812 741	09 55 166 6833 741	09 55 166 6813 741
		PL3	09 55 166 7811 741	09 55 166 7812 741	09 55 166 7833 741	09 55 166 7813 741
	15	PL2	09 55 266 6811 741	09 55 266 6812 741	09 55 266 6833 741	09 55 266 6813 741
		PL3	09 55 266 7811 741	09 55 266 7812 741	09 55 266 7833 741	09 55 266 7813 741
	25	PL2	09 55 366 6811 761	09 55 366 6812 761	09 55 366 6833 761	09 55 366 6813 761
		PL3	09 55 366 7811 761	09 55 366 7812 761	09 55 366 7833 761	09 55 366 7813 761
Receptacle	9	PL2	09 55 156 6611 741	09 55 156 6612 741	09 55 156 6633 741	09 55 156 6613 741
		PL3	09 55 156 7611 741	09 55 156 7612 741	09 55 156 7633 741	09 55 156 7613 741
	15	PL2	09 55 256 6611 741	09 55 256 6612 741	09 55 256 6633 741	09 55 256 6613 741
		PL3	09 55 256 7611 741	09 55 256 7612 74	09 55 256 7633 741	09 55 256 7613 741
	25	PL2	09 55 356 6611 761	09 55 356 6612 761	09 55 356 6633 761	09 55 356 6613 761
		PL3	09 55 356 7611 761	09 55 356 7612 761	09 55 356 7633 761	09 55 356 7613 761

Each reel contains 120 connectors

Drawing



PCB Layout, component side | thickness 1.6 mm min. |



Nb of pins	Dim A	Dim B	Dim C	Dim D
9	31	31	20.1	16.6
15	39.3	39.3	28.4	24.9
25	53.05	53	42.1	38.64