

Features

- Conforms to BS9523 F0010 and F0018
- Standards RS232 interface
- Bright tin finish and grounding indents available for EMI/RFI shielding

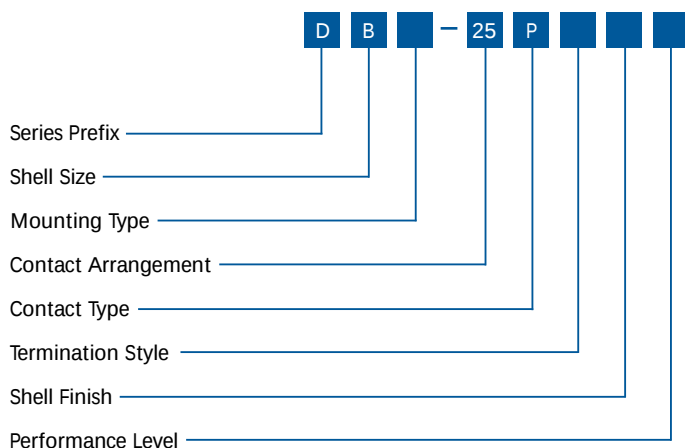
- Meets dimensional requirements of MIL-C-24308, BS9523 F0018 and DIN 41652
- UL 94V-0 rated insulators
- Compatible with all other D Subminiatures
- Machined Contacts

Technical Data

Termination Options	Solder Bucket, Flow Solder Straight & 90° Wire Wrap				
Number of Contacts	9	15	25	37	50
Maximum Insertion & Extraction Force	30	50	83	123	167N
Performance Level	1, 2 or 3				
Wire Accommodation	≤ 0.5mm ² (20 AWG)				
Plug Contact Material	Copper Alloy				
Socket Contact Material	Copper Alloy				
Current Rating	5A				

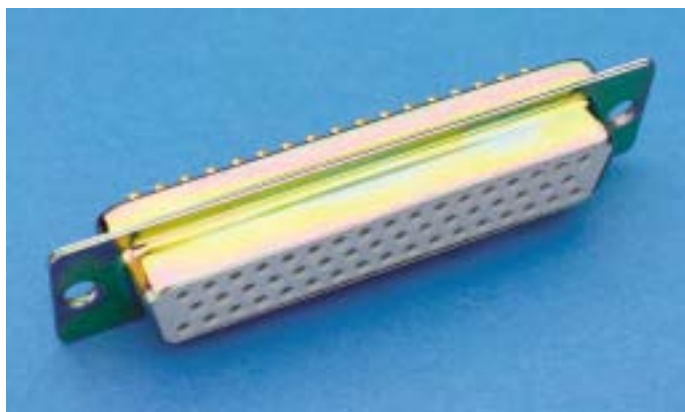
Proof Voltage	2.5 Kv d.c. or a.c. peak
Working Voltage	750V d.c. or a.c. peak
Contact Resistance	5 X 10 ⁻³ Ω max
Insulation Resistance	≤ 5 X 10 ⁹ Ω
Temperature Range	-55° to +125°
Insulator Materials	GF Polyester. UL 940V-0 Rated
Shell Materials	Steel - Zinc plated with yellow colour passivation - Bright tin finish

Part Numbering



Series Prefix	FD
Shell Size	E, A, B, C or D
Mounting Type	B 4-40 rivnut for rear panel mounting P M3 rivnut for rear panel mounting with female screw locks fitted D Float mount for rear panel mounting F Universal float mount Y Ø 3.05mm mounting hole No designation 90° Flow Solder versions are not available with float mounts
Contact Arrangement	9, 15, 25, 37 or 50
Contact Type	P or S
Termination Style	90° Flow Solder European Footprint 1A0N without brackets 1A1N with plastic brackets 1A2N with plastic brackets and keeper moulding 1A3N with metal mounting brackets* 1AEN with earthing straps on plastic brackets with keeper moulding* 1ASN with boardlock, earthing straps, plastic and keeper moulding* For reverse orientation of contacts relative to shell, replace N with R * Please specify rivnuts of screw locks, mounting type B, P or D (Rivnuts standard)
bracket	
Straight Flow Solder	OL2 Termination 0.6mm, 5.3mm long BL2 As OL2 with vertical Board locks 4/40 threads
Mini Wire Wrap	F179A 0.61mm square section pins for up to 3 wraps
Solder Bucket.	No designation required
Shell Finish	T Bright tin TI Bright tin with grounding indents (plugs only) No Designation Zinc plated with yellow colour passivation
Performance Level	2 DIN Class 2 1 Exceeds DIN Class 2 No Designation Performance level 3

Please consult factory for High Vibration application



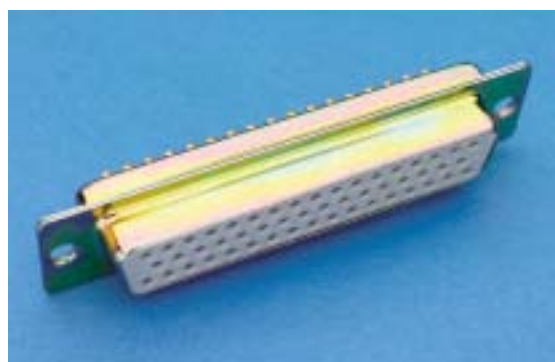
Solder Bucket - Plug

Number of contacts	Performance Level	Through Hole		Float Mount	Rear Panel Mount	
		Zinc Colour Passivation Plated Shell	Tin Indent Plated Shell	Zinc Colour Passivation Plated Shell	4-40 Rivnut Tin Indent Shell	M3 Rivnut Tin Indent Shell
9	1	DE-9P1	DE-9PT1	DEY-9P1	DEB-9PT1	DEP-9PT1
	3	DE-9P	DE-9PT	DEY-9P	DEB-9PT	DEP-9PT
15	1	DA-15P1	DA-15PT1	DAY-15P1	DAB-15PT1	DAP-15PT1
	3	DA-15P	DA-15PT	DAY-15P	DAB-15PT	DAP-15PT
25	1	DB-25P1	DB-25PT1	DBY-25P1	DBB-25PT1	DBP-25PT1
	3	DB-25P	DB-25PT	DBY-25P	DBB-25PT	DBP-25PT
37	1	DC-37P1	DC-37PT1	DCY-37P1	DCB-37PT1	DCP-37PT1
	3	DC-37P	DC-37PT	DCY-37P	DCB-37PT	DCP-37PT
50	1	DD-50P1	DD-50PT1	DDY-50P1	ddb-50PT1	DDP-50PT1
	3	DD-50P	DD-50PT	DDY-50PT	ddb-50PT	DDP-50PT



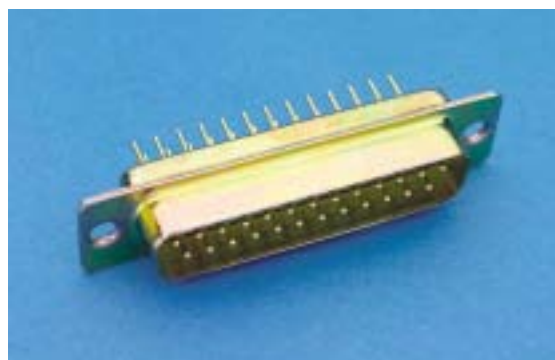
Solder Bucket - Socket

Number of contacts	Performance Level	Through Hole		Float Mount	Rear Panel Mount	
		Zinc Colour Passivation Plated Shell	Tin Indent Plated Shell	Zinc Colour Passivation Plated Shell	4-40 Rivnut Tin Shell	M3 Rivnut Tin Shell
9	1	DE-9S1	DE-9ST1	DEY-9S1	DEB-9ST1	DEP-9ST1
	3	DE-9S	DE-9ST	DEY-9S	DEB-9ST	DEP-9ST
15	1	DA-15S1	DA-15ST1	DAY-15S1	DAB-15ST1	DAP-15ST1
	3	DA-15S	DA-15ST	DAY-15S	DAB-15ST	DAP-15ST
25	1	DB-25S1	DB-25ST1	DBY-25S1	DBB-25ST1	DBP-25ST1
	3	DB-25S	DB-25ST	DBY-25S	DBB-25ST	DBP-25ST
37	1	DC-37S1	DC-37ST1	DCY-37S1	DCB-37ST1	DCP-37ST1
	3	DC-37S	DC-37ST	DCY-37S	DCB-37ST	DCP-37ST
50	1	DD-50S1	DD-50ST1	DDY-50S1	DDb-50ST1	DDP-50ST1
	3	DD-50S	DD-50ST	DDY-50S	DDb-50ST	DDP-50ST



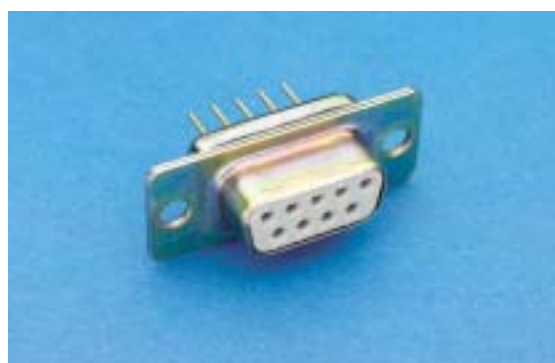
Straight PCB Mount - Plug

Number of contacts	Performance Level	Through Hole		4-40 thread Vertical BoardLock	
		Zinc Colour Passivation Plated Shell	Tin Indent Plated Shell	Tin Indent Shell	Tin Indent Shell with female screwlock
9	1	DE-9POL21	DE-9POL2TI	DE-9PBL2TI	DED-9PBL2TI
	3	DE-9POL2	DE-9POL2TI	DE-9PBL2TI	DED-9PBL2TI
15	1	DA-15POL2TI	DA-15POL2TI	DA-15PBL2TI	DAD-15PBL2TI
	3	DA-15POL2	DA-15POL2TI	DA-15PBL2TI	DAD-15PBL2TI
25	1	DB-25POL21	DB-25POL2TI	DB-25PBL2TI	DBD-25PBL2TI
	3	DB-25POL2	DB-25POL2TI	DB-25PBL2TI	DBD-25PBL2TI
37	1	DC-37POL21	DC-37POL2TI	DC-37PBL2TI	DCD-37PBL2TI
	3	DC-37POL2	DC-37POL2TI	DC-37PBL2TI	DCD-37PBL2TI
50	1	DD-50POL21	DD-50POL2TI	DD-50PBL2TI	DDD-50PBL2TI
	3	DD-50POL2	DD-50POL2TI	DD-50PBL2TI	DDD-50PBL2TI



Straight PCB Mount - Socket

Number of contacts	Performance Level	Through Hole		4-40 thread Vertical BoardLock	
		Zinc Colour Passivation Plated Shell	Tin Indent Plated Shell	Tin Indent Shell	Tin Indent Shell with female screwlock
9	1	DE-9SOL21	DE-9SOL2TI	DE-9SBL2TI	DED-9SBL2TI
	3	DE-9SOL2	DE-9SOL2TI	DE-9SBL2TI	DED-9SBL2TI
15	1	DA-15SOL21	DA-15SOL2TI	DA-15SBL2TI	DAD-15SBL2TI
	3	DA-15SOL2	DA-15SOL2TI	DA-15SBL2TI	DAD-15SBL2TI
25	1	DB-25SOL21	DB-25SOL2TI	DB-25SBL2TI	DBD-25SBL2TI
	3	DB-25SOL2	DB-25SOL2TI	DB-25SBL2TI	DBD-25SBL2TI
37	1	DC-37SOL21	DC-37SOL2TI	DC-37SBL2TI	DCD-37SBL2TI
	3	DC-37SOL2	DC-37SOL2TI	DC-37SBL2TI	DCD-37SBL2TI
50	1	DD-50SOL21	DD-50SOL2TI	DD-50SBL2TI	DDD-50SBL2TI
	3	DD-50SOL2	DD-50SOL2TI	DD-50SBL2TI	DDD-50SBL2TI



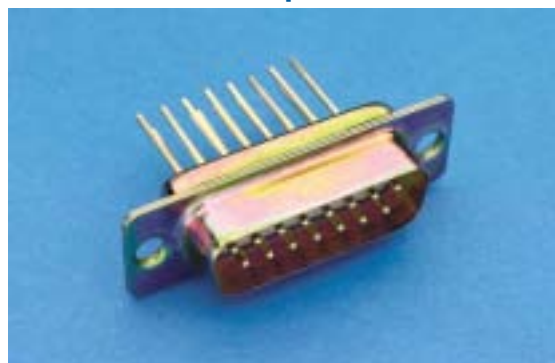
90° PCB Mount - Plug

Number of contacts	Performance Level	Open Frame		Plastic Brackets		Keeper Mould	Snap In Boardlocks
		Zinc Colour Passivation Plated Shell	Tin Indent Plated Shell	Zinc Colour Passivation Plated Shell	Tin Indent Plated Shell	Tin Indent Plated Shell	Tin Indent Shell 4-40 Rivnut
9	1	DE-9P1A0N1	DE-9P1A0NT1	DE-9P1A1N1	DE-9P1A1NT1	DE-9P1A2NT1	DEB-9P1ASNT1
	3	DE-9P1A0N	DE-9P1A0NT	DE-9P1A1N	DE-9P1A1NT	DE-9P1A2NT	DEB-9P1ASNT
15	1	DA-15P1A0N1	DA-15P1A0NT1	DA-15P1A1N1	DA-15P1A1NT1	DA-15P1A2NT1	DAB-15P1ASNT1
	3	DA-15P1A0N	DA-15P1A0NT	DA-15P1A1N	DA-15P1A1NT	DA-15P1A2NT	DAB-15P1ASNT
25	1	DB-25P1A0N1	DB-25P1A0NT1	DB-25P1A1N1	DB-25P1A1NT1	DB-25P1A2NT1	DBB-26P1ASNT1
	3	DB-25P1A0N	DB-25P1A0NT	DB-25P1A1N	DB-25P1A1NT	DB-25P1A2NT	DBB-25P1ASNT
37	1	DC-37P1A0N1	DC-37P1A0NT1	DC-37P1A1N1	DC-37P1A1NT1	DC-37P1A2NT1	DCB-37P1ASNT1
	3	DC-37P1A0N	DC-37P1A0NT	DC-37P1A1N	DC-37P1A1NT	DC-37P1A2NT	DCB-27P1ASNT
50	1					DD-50P1A2NT1	DDB-50P1ASNT1
	3					DD-50P1A2NT	DDB-50P1ASNT

90° PCB Mounting



Wire Wrap



90° PCB Mount - Socket

Number of contacts	Performance Level	Open Frame		Plastic Brackets		Keeper Mould	Snap In Boardlocks
		Zinc Colour Passivation Plated Shell	Tin Indent Plated Shell	Zinc Colour Passivation Plated Shell	Tin Indent Plated Shell	Tin Indent Plated Shell	Tin Indent Shell 4-40 Rivnut
9	1	DE-9S1A0N1	DE-9S1A0NT1	DE-9S1A1N1	DE-9S1A1NT1	DE-9S1A2NT1	DEB-9S1ASNT1
	3	DE-9S1A0N	DE-9S1A0NT	DE-9S1A1N	DE-9S1A1NT	DE-9S1A2NT	DEB-9S1ASNT
15	1	DA-15S1A0N1	DA-15S1A0NT1	DA-15S1A1N1	DA-15S1A1NT1	DA-15S1A2NT1	DAB-15S1ASNT1
	3	DA-15S1A0N	DA-15S1A0NT	DA-15S1A1N	DA-15S1A1NT	DA-15S1A2NT	DAB-15S1ASNT
25	1	DB-25S1A0N1	DB-25S1A0NT1	DB-25S1A1N1	DB-25S1A1NT1	DB-25S1A2NT1	DBB-26S1ASNT1
	3	DB-25S1A0N	DB-25S1A0NT	DB-25S1A1N	DB-25S1A1NT	DB-25S1A2NT	DBB-25S1ASNT
37	1	DC-37S1A0N1	DC-37S1A0NT1	DC-37S1A1N1	DC-37S1A1NT1	DC-37S1A2NT1	DCB-37S1ASNT1
	3	DC-37S1A0N	DC-37S1A0NT	DC-37S1A1N	DC-37S1A1NT	DC-37S1A2NT	DCB-27S1ASNT
50	1					DD-50S1A2NT1	DDB-50S1ASNT1
	3					DD-50S1A2NT	DDB-50S1ASNT

NB

The 0 in the -0-LF signifies Contact Gold plating to a higher level & the LF signifies Lead Free (these are not stated on the data sheet P/N's).