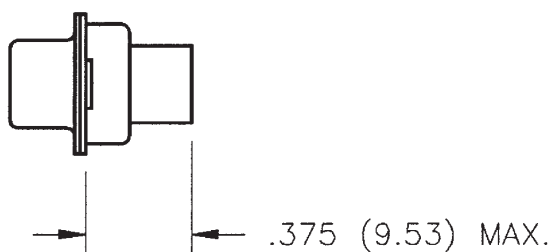


D-subminiature Metal Shell Crimp and Poke D*U Series



Ordering Information

D*U Crimp and Poke Plugs

Zinc-Plated Shell with Yellow Chromate Finish

Position	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Contacts Included	Without Contacts	Contacts Included	Without Contacts	Contacts Included	Without Contacts
9	DEU-9P	DEU-9P-FO	DEUE-9-P	DEUE-9P-FO	DEUY-9P	DEUY-9P-FO
15	DAU-15P	DAU-15P-FO	DAUE-15-P	DAUE-15-P-FO	DAUY-15P	DAUY-15P-FO
25	DBU-25P	DBU-25P-FO	DBUE-25-P	DBUE-25P-FO	DBUY-25P	DBUY-25P-FO
37	DCU-37P	DCU-37P-FO	DCUE-37-P	DCUE-37P-FO	DCUY-37P	DCUY-37P-FO
50	DDU-50P	DDU-50P-FO	DDUE-50-P	DDUE-50P-FO	DDUY-50P	DDUY-50P-FO

Tin-Plated Shell with Grounding Indents

Position	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Contacts Included	Without Contacts	Contacts Included	Without Contacts	Contacts Included	Without Contacts
9	DEU-9PTI	DEU-9PTI-FO	DEUE-9PTI	DEUE-9PTI-FO	DEUY-9PTI	DEUY-9PTI-FO
15	DAU-15PTI	DAU-15PTI-FO	DAUE-15PTI	DAUE-15PTI-FO	DAUY-15PTI	DAUY-15PTI-FO
25	DBU-25PTI	DBU-25PTI-FO	DBUE-25PTI	DBUE-25PTI-FO	DBUY-25PTI	DBUY-25PTI-FO
37	DCU-37PTI	DCU-37PTI-FO	DCUE-37PTI	DCUE-37PTI-FO	DCUY-37PTI	DCUY-37PTI-FO
50	DDU-50PTI	DDU-50PTI-FO	DDUE-50PTI	DDUE-50PTI-FO	DDUY-50PTI	DDUY-50PTI-FO

D*U Crimp and Poke Sockets

Zinc-Plated Shell with Yellow Chromate Finish

Position	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Contacts Included	Without Contacts	Contacts Included	Without Contacts	Contacts Included	Without Contacts
9	DEU-9S	DEU-9S-FO	DEUE-9S	DEUE-9S-FO	DEUY-9S	DEUY-9S-FO
15	DAU-15S	DAU-15S-FO	DAUE-15S	DAUE-15S-FO	DAUY-15S	DAUY-15S-FO
25	DBU-25S	DBU-25S-FO	DBUE-25S	DBUE-25S-FO	DBUY-25S	DBUY-25S-FO
37	DCU-37S	DCU-37S-FO	DCUE-37S	DCUE-37S-FO	DCUY-37S	DCUY-37S-FO
50	DDU-50S	DDU-50S-FO	DDUE-50S	DDUE-50S-FO	DDUY-50S	DDUY-50S-FO

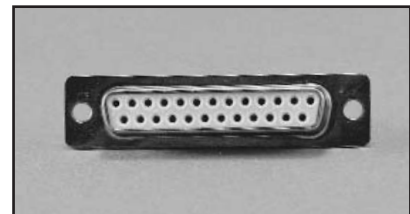
Tin-Plated Shell

Position	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Contacts Included	Without Contacts	Contacts Included	Without Contacts	Contacts Included	Without Contacts
9	DEU-9ST	DEU-9ST-FO	DEUE-9ST	DEUE-9ST-FO	DEUY-9ST	DEUY-9ST-FO
15	DAU-15ST	DAU-15ST-FO	DAUE-15ST	DAUE-15ST-FO	DAUY-15ST	DAUY-15ST-FO
25	DBU-25ST	DBU-25ST-FO	DBUE-25ST	DBUE-25ST-FO	DBUY-25ST	DBUY-25ST-FO
37	DCU-37ST	DCU-37ST-FO	DCUE-37ST	DCUE-37ST-FO	DCUY-37ST	DCUY-37ST-FO
50	DDU-50ST	DDU-50ST-FO	DDUE-50ST	DDUE-50ST-FO	DDUY-50ST	DDUY-50ST-FO

D-subminiature Metal Shell Solder Cup, Vertical PCB Mount, and Wire Wrap Basic D Series

Cinch

FEATURES	■ Offered in Wire Wrap and Solder Cup styles for wire termination and vertical style for PCB mount. ■ Offered with .120 mounting holes, 4-40 clinch nuts, and dual float bushings. ■ Offered in 9, 15, 25, 37, and 50 position plugs and sockets. ■ Available with gold flash or 30µin. gold plating. ■ Approvals: • UL Recognized - Files E170218 (UL1977) and E130965 (UL1863). • CSA Approved - File LR31996. ■ See pages 4-5 thru 4-10 for standard dimensions, contact arrangements, and panel mounting specifications.
MATERIALS	Insulator Material: Glass-filled polyester (white), UL 94V-O rated Connector Shell: Steel with zinc plating and yellow chromate finish or tin plating (grounding indents on plug) 4-40 Clinch Nut: Steel with cadmium plating and yellow chromate finish Dual Float Bushing: Stainless steel, passivated
ENVIRONMENTAL	Operating Temperature: -65°C to + 125°C Shock: 50G peak per MIL-STD-202, Method 213, Condition G Vibration: 12 cycles in three perpendicular directions @ 10-2000Hz, per MIL-STD-202, Method 204, Condition D Moisture Resistance: 90-95% relative humidity @ 40°C for 96 hours per MIL-STD-202, Method 103
ELECTRICAL	Withstanding Voltage: Minimum 1250V RMS @ sea level Current Rating: 5 Amps Contact Resistance: 2.7 milliohms maximum Insulation Resistance: 5000 megohms maximum (initial); 1000 megohms (minimum) after environmental testing
MECHANICAL	Individual Contact Insertion and Separation Force (minimum/maximum): 0.7 oz./12 oz. Durability: 500 mating cycles



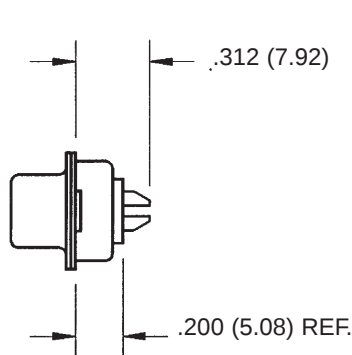
D-subminiature Metal Shell Solder Cup Basic D Series



- Available with stamped or machined contacts.
- Will accommodate up to 20 AWG wire.

Materials

- Contact Material: Copper Alloy
- Contact Plating:
 - Stamped contacts with gold flash or 30µin. gold in mating area, gold flash or tin/lead on remainder. All over nickel.
 - Screw machine contacts with gold flash or 30µin. gold. All over nickel.



Ordering Information

Solder Cup Plugs

Zinc-Plated Shell with Yellow Chromate Finish

Stamped Contact with Gold Flash in Solder Cup

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9P	DE-9P-30	DEE-9P	DEE-9P-30	DEY-9P	DEY-9P-30
15	DA-15P	DA-15P-30	DAE-15P	DAE-15P-30	DAY-15P	DAY-15P-30
25	DB-25P	DB-25P-30	DBE-25P	DBE-25P-30	DBY-25P	DBY-25P-30
37	DC-37P	DC-37P-30	DCE-37P	DCE-37P-30	DCY-37P	DCY-37P-30
50	DD-50P	DD-50P-30	DDE-50P	DDE-50P-30	DDY-50P	DDY-50P-30

Stamped Contact with Tin/Lead in Solder Cup

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9P-II	DE-9P-II-30	DEE-9P-II	DEE-9P-II-30	DEY-9P-II	DEY-9P-II-30
15	DA-15P-II	DA-15P-II-30	DAE-15P-II	DAE-15P-II-30	DAY-15P-II	DAY-15P-II-30
25	DB-25P-II	DB-25P-II-30	DBE-25P-II	DBE-25P-II-30	DBY-25P-II	DBY-25P-II-30
37	DC-37P-II	DC-37P-II-30	DCE-37P-II	DCE-37P-II-30	DCY-37P-II	DCY-37P-II-30
50	DD-50P-II	DD-50P-II-30	DDE-50P-II	DDE-50P-II-30	DDY-50P-II	DDY-50P-II-30

Screw Machine Contact

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9P-SM	DE-9P-SM-30	DEE-9P-SM	DEE-9P-SM-30	DEY-9P-SM	DEY-9P-SM-30
15	DA-15P-SM	DA-15P-SM-30	DAE-15P-SM	DAE-15P-SM-30	DAY-15P-SM	DAY-15P-SM-30
25	DB-25P-SM	DB-25P-SM-30	DBE-25P-SM	DBE-25P-SM-30	DBY-25P-SM	DBY-25P-SM-30
37	DC-37P-SM	DC-37P-SM-30	DCE-37P-SM	DCE-37P-SM-30	DCY-37P-SM	DCY-37P-SM-30
50	DD-50P-SM	DD-50P-SM-30	DDE-50P-SM	DDE-50P-SM-30	DDY-50P-SM	DDY-50P-SM-30

D-subminiature Metal Shell Solder Cup Basic D Series



Ordering Information

Solder Cup Plugs (Cont'd)

Tin-Plated Shell with Grounding Indents

Stamped Contact with Gold Flash in Solder Cup

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9PTI	DE-9PTI-30	DEE-9PTI	DEE-9PTI-30	DEY-9PTI	DEY-9PTI-30
15	DA-15PTI	DA-15PTI-30	DAE-15PTI	DAE-15PTI-30	DAY-15PTI	DAY-15PTI-30
25	DB-25PTI	DB-25PTI-30	DBE-25PTI	DBE-25PTI-30	DBY-25PTI	DBY-25PTI-30
37	DC-37PTI	DC-37PTI-30	DCE-37PTI	DCE-37PTI-30	DCY-37PTI	DCY-37PTI-30
50	DD-50PTI	DD-50PTI-30	DDE-50PTI	DDE-50PTI-30	DDY-50PTI	DDY-50PTI-30

Stamped Contact with Tin/Lead in Solder Cup

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9PTI-II	DE-9PTI-II-30	DEE-9PTI-II	DEE-9PTI-II-30	DEY-9PTI-II	DEY-9PTI-II-30
15	DA-15PTI-II	DA-15PTI-II-30	DAE-15PTI-II	DAE-15PTI-II-30	DAY-15PTI-II	DAY-15PTI-II-30
25	DB-25PTI-II	DB-25PTI-II-30	DBE-25PTI-II	DBE-25PTI-II-30	DBY-25PTI-II	DBY-25PTI-II-30
37	DC-37PTI-II	DC-37PTI-II-30	DCE-37PTI-II	DCE-37PTI-II-30	DCY-37PTI-II	DCY-37PTI-II-30
50	DD-50PTI-II	DD-50PTI-II-30	DDE-50PTI-II	DDE-50PTI-II-30	DDY-50PTI-II	DDY-50PTI-II-30

Screw Machine Contact

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9PTI-SM	DE-9PTI-SM-30	DEE-9PTI-SM	DEE-9PTI-SM-30	DEY-9PTI-SM	DEY-9PTI-SM-30
15	DA-15PTI-SM	DA-15PTI-SM-30	DAE-15PTI-SM	DAE-15PTI-SM-30	DAY-15PTI-SM	DAY-15PTI-SM-30
25	DB-25PTI-SM	DB-25PTI-SM-30	DBE-25PTI-SM	DBE-25PTI-SM-30	DBY-25PTI-SM	DBY-25PTI-SM-30
37	DC-37PTI-SM	DC-37PTI-SM-30	DCE-37PTI-SM	DCE-37PTI-SM-30	DCY-37PTI-SM	DCY-37PTI-SM-30
50	DD-50PTI-SM	DD-50PTI-SM-30	DDE-50PTI-SM	DDE-50PTI-SM-30	DDY-50PTI-SM	DDY-50PTI-SM-30

D-subminiature Metal Shell

Solder Cup

Basic D Series



Ordering Information

Solder Cup Sockets

Zinc-Plated Shell with Yellow Chromate Finish

Stamped Contact with Gold Flash in Solder Cup

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9S	DE-9S-30	DEE-9S	DEE-9S-30	DEY-9S	DEY-9S-30
15	DA-15S	DA-15S-30	DAE-15S	DAE-15S-30	DAY-15S	DAY-15S-30
25	DB-25S	DB-25S-30	DBE-25S	DBE-25S-30	DBY-25S	DBY-25S-30
37	DC-37S	DC-37S-30	DCE-37S	DCE-37S-30	DCY-37S	DCY-37S-30
50	DD-50S	DD-50S-30	DDE-50S	DDE-50S-30	DDY-50S	DDY-50S-30

Stamped Contact Tin/Lead in Solder Cup

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9S-II	DE-9S-II-30	DEE-9S-II	DEE-9S-II-30	DEY-9S-II	DEY-9S-II-30
15	DA-15S-II	DA-15S-II-30	DAE-15S-II	DAE-15S-II-30	DAY-15S-II	DAY-15S-II-30
25	DB-25S-II	DB-25S-II-30	DBE-25S-II	DBE-25S-II-30	DBY-25S-II	DBY-25S-II-30
37	DC-37S-II	DC-37S-II-30	DCE-37S-II	DCE-37S-II-30	DCY-37S-II	DCY-37S-II-30
50	DD-50S-II	DD-50S-II-30	DDE-50S-II	DDE-50S-II-30	DDY-50S-II	DDY-50S-II-30

Screw Machine Contact

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9S-SM	DE-9S-SM-30	DEE-9S-SM	DEE-9S-SM-30	DEY-9S-SM	DEY-9S-SM-30
15	DA-15S-SM	DA-15S-SM-30	DAE-15S-SM	DAE-15S-SM-30	DAY-15S-SM	DAY-15S-SM-30
25	DB-25S-SM	DB-25S-SM-30	DBE-25S-SM	DBE-25S-SM-30	DBY-25S-SM	DBY-25S-SM-30
37	DC-37S-SM	DC-37S-SM-30	DCE-37S-SM	DCE-37S-SM-30	DCY-37S-SM	DCY-37S-SM-30
50	DD-50S-SM	DD-50S-SM-30	DDE-50S-SM	DDE-50S-SM-30	DDY-50S-SM	DDY-50S-SM-30

Tin-Plated Shell

Stamped Contact with Gold Flash in Solder Cup

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9ST	DE-9ST-30	DEE-9ST	DEE-9ST-30	DEY-9ST	DEY-9ST-30
15	DA-15ST	DA-15ST-30	DAE-15ST	DAE-15ST-30	DAY-15ST	DAY-15ST-30
25	DB-25ST	DB-25ST-30	DBE-25ST	DBE-25ST-30	DBY-25ST	DBY-25ST-30
37	DC-37ST	DC-37ST-30	DCE-37ST	DCE-37ST-30	DCY-37ST	DCY-37ST-30
50	DD-50ST	DD-50ST-30	DDE-50ST	DDE-50ST-30	DDY-50ST	DDY-50ST-30

Stamped Contact with Tin/Lead in Solder Cup

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9ST-II	DE-9ST-II-30	DEE-9ST-II	DEE-9ST-II-30	DEY-9ST-II	DEY-9ST-II-30
15	DA-15ST-II	DA-15ST-II-30	DAE-15ST-II	DAE-15ST-II-30	DAY-15ST-II	DAY-15ST-II-30
25	DB-25ST-II	DB-25ST-II-30	DBE-25ST-II	DBE-25ST-II-30	DBY-25ST-II	DBY-25ST-II-30
37	DC-37ST-II	DC-37ST-II-30	DCE-37ST-II	DCE-37ST-II-30	DCY-37ST-II	DCY-37ST-II-30
50	DD-50ST-II	DD-50ST-II-30	DDE-50ST-II	DDE-50ST-II-30	DDY-50ST-II	DDY-50ST-II-30

Screw Machine Contact

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9ST-SM	DE-9ST-SM-30	DEE-9ST-SM	DEE-9ST-SM-30	DEY-9ST-SM	DEY-9ST-SM-30
15	DA-15ST-SM	DA-15ST-SM-30	DAE-15ST-SM	DAE-15ST-SM-30	DAY-15ST-SM	DAY-15ST-SM-30
25	DB-25ST-SM	DB-25ST-SM-30	DBE-25ST-SM	DBE-25ST-SM-30	DBY-25ST-SM	DBY-25ST-SM-30
37	DC-37ST-SM	DC-37ST-SM-30	DCE-37ST-SM	DCE-37ST-SM-30	DCY-37ST-SM	DCY-37ST-SM-30
50	DD-50ST-SM	DD-50ST-SM-30	DDE-50ST-SM	DDE-50ST-SM-30	DDY-50ST-SM	DDY-50ST-SM-30

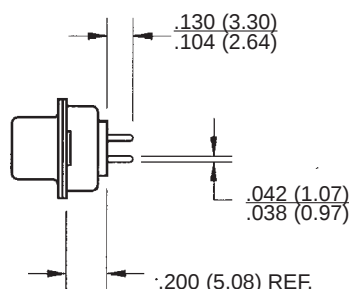
D-subminiature Metal Shell Vertical Dip Solder PCB Basic D Series



- .040" contact diameter.
- Short rear insulator provides low profile on PCB.
- Offered with .120 mounting holes, dual float bushings, or optional 4-40 clinch nuts.

Materials

- Contact Material: Socket - Phosphor bronze (machined), Plug - Brass (machined).
- Contact Plating: Gold flash or 30µin. gold over nickel.



Ordering Information

Vertical PCB Plugs

Zinc-Plated Shell with Yellow Chromate Finish

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9PV	DE-9PV-30	DEE-9PV	DEE-9PV-30	DEY-9PV	DEY-9PV-30
15	DA-15PV	DA-15PV-30	DAE-15PV	DAE-15PV-30	DAY-15PV	DAY-15PV-30
25	DB-25PV	DB-25PV-30	DBE-25PV	DBE-25PV-30	DBY-25PV	DBY-25PV-30
37	DC-37PV	DC-37PV-30	DCE-37PV	DCE-37PV-30	DCY-37PV	DCY-37PV-30
50	DD-50PV	DD-50PV-30	DDE-50PV	DDE-50PV-30	DCY-50PV	DDY-50PV-30

Tin-Plated Shell with Grounding Indents

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9PVTI	DE-9PVTI-30	DEE-9PVTI	DEE-9PVTI-30	DEY-9PVTI	DEY-9PVTI-30
15	DA-15PVTI	DA-15PVTI-30	DAE-15PVTI	DAE-15PVTI-30	DAY-15PVTI	DAY-15PVTI-30
25	DB-25PVTI	DB-25PVTI-30	DBE-25PVTI	DBE-25PVTI-30	DBY-25PVTI	DBY-25PVTI-30
37	DC-37PVTI	DC-37PVTI-30	DCE-37PVTI	DCE-37PVTI-30	DCY-37PVTI	DCY-37PVTI-30
50	DD-50PVTI	DD-50PVTI-30	DDE-50PVTI	DDE-50PVTI-30	DCY-50PVTI	DDY-50PVTI-30

Vertical PCB Sockets

Zinc-Plated Shell with Yellow Chromate Finish

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9SV	DE-9SV-30	DEE-9SV	DEE-9SV-30	DEY-9SV	DEY-9SV-30
15	DA-15SV	DA-15SV-30	DAE-15SV	DAE-15SV-30	DAY-15SV	DAY-15SV-30
25	DB-25SV	DB-25SV-30	DBE-25SV	DBE-25SV-30	DBY-25SV	DBY-25SV-30
37	DC-37SV	DC-37SV-30	DCE-37SV	DCE-37SV-30	DCY-37SV	DCY-37SV-30
50	DD-50SV	DD-50SV-30	DDE-50SV	DDE-50SV-30	DCY-50SV	DDY-50SV-30

Tin-Plated Shell

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9SVT	DE-9SVT-30	DEE-9SVT	DEE-9SVT-30	DEY-9SVT	DEY-9SVT-30
15	DA-15SVT	DA-15SVT-30	DAE-15SVT	DAE-15SVT-30	DAY-15SVT	DAY-15SVT-30
25	DB-25SVT	DB-25SVT-30	DBE-25SVT	DBE-25SVT-30	DBY-25SVT	DBY-25SVT-30
37	DC-37SVT	DC-37SVT-30	DCE-37SVT	DCE-37SVT-30	DCY-37SVT	DCY-37SVT-30
50	DD-50SVT	DD-50SVT-30	DDE-50SVT	DDE-50SVT-30	DDY-50SVT	DDY-50SVT-30

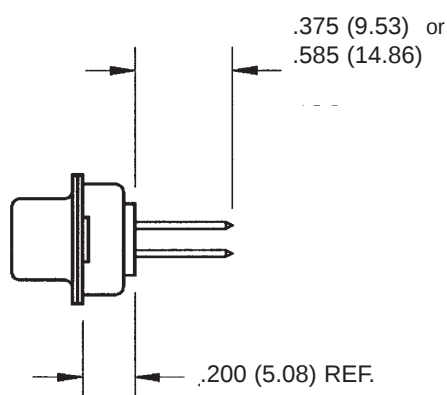
D-subminiature Metal Shell Wire Wrap Basic D Series



- Reliable wire wrap termination.
- Two contact lengths: .375" or .585".
- .025" square contact tails.

Materials

- Contact Material: Copper alloy (machined).
- Contact Plating: Gold flash or 30µin. gold. All over nickel.



Ordering Information

Wire Wrap Plugs

.375" Tail Length

Zinc-Plated Shell with Yellow Chromate Finish

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9P-F179	DE-9P-F179-30	DEE-9P-F179	DEE-9P-F179-30	DEY-9P-F179	DEY-9P-F179-30
15	DA-15P-F179	DA-15P-F179-30	DAE-15P-F179	DAE-15P-F179-30	DAY-15P-F179	DAY-15P-F179-30
25	DB-25P-F179	DB-25P-F179-30	DBE-25P-F179	DBE-25P-F179-30	DBY-25P-F179	DBY-25P-F179-30
37	DC-37P-F179	DC-37P-F179-30	DCE-37P-F179	DCE-37P-F179-30	DCY-37P-F179	DCY-37P-F179-30
50	DD-50P-F179	DD-50P-F179-30	DDE-50P-F179	DDE-50P-F179-30	DDY-50P-F179	DDY-50P-F179-30

Tin-Plated Shell with Grounding Indents

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9PTI-F179	DE-9PTI-F179-30	DEE-9PTI-F179	DEE-9PTI-F179-30	DEY-9PTI-F179	DEY-9PTI-F179-30
15	DA-15PTI-F179	DA-15PTI-F179-30	DAE-15PTI-F179	DAE-15PTI-F179-30	DAY-15PTI-F179	DAY-15PTI-F179-30
25	DB-25PTI-F179	DB-25PTI-F179-30	DBE-25PTI-F179	DBE-25PTI-F179-30	DBY-25PTI-F179	DBY-25PTI-F179-30
37	DC-37PTI-F179	DC-37PTI-F179-30	DCE-37PTI-F179	DCE-37PTI-F179-30	DCY-37PTI-F179	DCY-37PTI-F179-30
50	DD-50PTI-F179	DD-50PTI-F179-30	DDE-50PTI-F179	DDE-50PTI-F179-30	DDY-50PTI-F179	DDY-50PTI-F179-30

D-subminiature Metal Shell

Wire Wrap

Basic D Series



Ordering Information

Wire Wrap Plugs (Cont'd)

.585" Tail Length

Zinc-Plated Shell with Yellow Chromate Finish

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9P-F179C	DE-9P-F179C-30	DEE-9P-F179C	DEE-9PF-179C-30	DEY-9P-F179C	DEY-9P-F179C-30
15	DA-15P-F179C	DA-15P-F179C-30	DAE-15P-F179C	DAE-15PF-179C-30	DAY-15P-F179C	DAY-15P-F179C-30
25	DB-25P-F179C	DB-25P-F179C-30	DBE-25P-F179C	DBE-25PF-179C-30	DBY-25P-F179C	DBY-25P-F179C-30
37	DC-37P-F179C	DC-37P-F179C-30	DCE-37P-F179C	DCE-37PF-179C-30	DCY-37P-F179C	DCY-37P-F179C-30
50	DD-50P-F179C	DD-50P-F179C-30	DDE-50P-F179C	DDE-50PF-179C-30	DDY-50P-F179C	DDY-50P-F179C-30

Tin-Plated Shell with Grounding Indents

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9PTI-F179C	DE-9PTI-F179C-30	DEE-9PTI-F179C	DEE-9PTI-F179C-30	DEY-9PTI-F179C	DEY-9PTI-F179C-30
15	DA-15PTI-F179C	DA-15PTI-F179C-30	DAE-15PTI-F179C	DAE-15PTI-F179C-30	DAY-15PTI-F179C	DAY-15PTI-F179C-30
25	DB-25PTI-F179C	DB-25PTI-F179C-30	DBE-25PTI-F179C	DBE-25PTI-F179C-30	DBY-25PTI-F179C	DBY-25PTI-F179C-30
37	DC-37PTI-F179C	DC-37PTI-F179C-30	DCE-37PTI-F179C	DCE-37PTI-F179C-30	DCY-37PTI-F179C	DCY-37PTI-F179C-30
50	DD-50PTI-F179C	DD-50PTI-F179C-30	DDE-50PTI-F179C	DDE-50PTI-F179C-30	DDY-50PTI-F179C	DDY-50PTI-F179C-30

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D-subminiature Metal Shell Wire Wrap Basic D Series



Ordering Information

Wire Wrap Sockets

.375" Tail Length

Zinc-Plated Shell with Yellow Chromate Finish

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9S-F179	DE-9S-F179-30	DEE-9S-F179	DEE-9S-F179-30	DEY-9S-F179	DEY-9S-F179-30
15	DA-15S-F179	DA-15S-F179-30	DAE-15S-F179	DAE-15S-F179-30	DAY-15S-F179	DAY-15S-F179-30
25	DB-25S-F179	DB-25S-F179-30	DBE-25S-F179	DBE-25S-F179-30	DBY-25S-F179	DBY-25S-F179-30
37	DC-37S-F179	DC-37S-F179-30	DCE-37S-F179	DCE-37S-F179-30	DCY-37S-F179	DCY-37S-F179-30
50	DD-50S-F179	DD-50S-F179-30	DDE-50S-F179	DDE-50S-F179-30	DDY-50S-F179	DDY-50S-F179-30

Tin-Plated Shell

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9ST-F179	DE-9ST-F179-30	DEE-9ST-F179	DEE-9ST-F179-30	DEY-9ST-F179	DEY-9ST-F179-30
15	DA-15ST-F179	DA-15ST-F179-30	DAE-15ST-F179	DAE-15ST-F179-30	DAY-15ST-F179	DAY-15ST-F179-30
25	DB-25ST-F179	DB-25ST-F179-30	DBE-25ST-F179	DBE-25ST-F179-30	DBY-25ST-F179	DBY-25ST-F179-30
37	DC-37ST-F179	DC-37ST-F179-30	DCE-37ST-F179	DCE-37ST-F179-30	DCY-37ST-F179	DCY-37ST-F179-30
50	DD-50ST-F179	DD-50ST-F179-30	DDE-50ST-F179	DDE-50ST-F179-30	DDY-50ST-F179	DDY-50ST-F179-30

.585" Tail Length

Zinc-Plated Shell with Yellow Chromate Finish

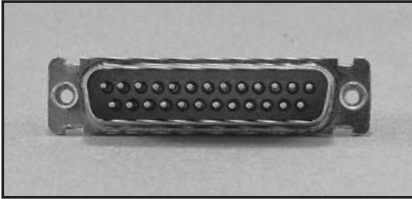
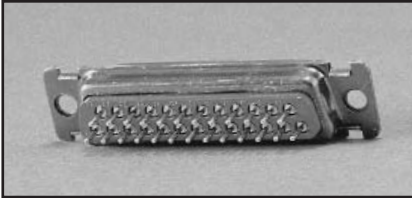
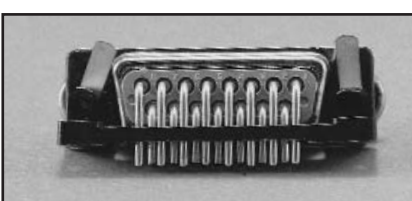
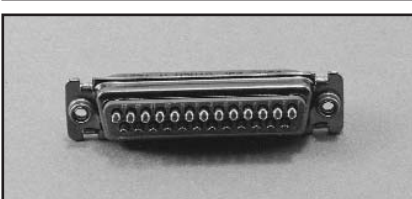
Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9S-F179C	DE-9S-F179C-30	DEE-9S-F179C	DEE-9S-F179C-30	DEY-9S-F179C	DEY-9S-F179C-30
15	DA-15S-F179C	DA-15S-F179C-30	DAE-15S-F179C	DAE-15S-F179C-30	DAY-15S-F179C	DAY-15S-F179C-30
25	DB-25S-F179C	DB-25S-F179C-30	DBE-25S-F179C	DBE-25S-F179C-30	DBY-25S-F179C	DBY-25S-F179C-30
37	DC-37S-F179C	DC-37S-F179C-30	DCE-37S-F179C	DCE-37S-F179C-30	DCY-37S-F179C	DCY-37S-F179C-30
50	DD-50S-F179C	DD-50S-F179C-30	DDE-50S-F179C	DDE-50S-F179C-30	DDY-50S-F179C	DDY-50S-F179C-30

Tin-Plated Shell

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9ST-F179C	DE-9ST-F179C-30	DEE-9ST-F179C	DEE-9ST-F179C-30	DEY-9ST-F179C	DEY-9ST-F179C-30
15	DA-15ST-F179C	DA-15ST-F179C-30	DAE-15ST-F179C	DAE-15ST-F179C-30	DAY-15ST-F179C	DAY-15ST-F179C-30
25	DB-25ST-F179C	DB-25ST-F179C-30	DBE-25ST-F179C	DBE-25ST-F179C-30	DBY-25ST-F179C	DBY-25ST-F179C-30
37	DC-37ST-F179C	DC-37ST-F179C-30	DCE-37ST-F179C	DCE-37ST-F179C-30	DCY-37ST-F179C	DCY-37ST-F179C-30
50	DD-50ST-F179C	DD-50ST-F179C-30	DDE-50ST-F179C	DDE-50ST-F179C-30	DDY-50ST-F179C	DDY-50ST-F179C-30

D-subminiature Metal Shell Solder Cup, Right-Angle, and Vertical PCB Series 1 - High Reliability

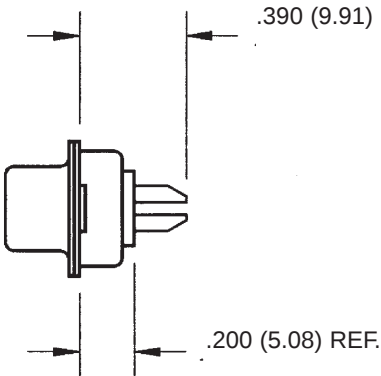
Cinch

FEATURES	■ Available in vertical and right-angle dip solder PCB connectors and solder cup version for wire termination. ■ Commercial version of M24308 military connectors with tin-plated or zinc-plated shell and 30µin. gold plating. ■ Monoblock green diallyl phthalate insulator for improved electrical performance. ■ Machined contacts for precision performance. ■ Offered in 9, 15, 25, 37, and 50 (except right-angle version) position plugs and sockets. ■ Offered with .120 mounting holes, 4-40 clinch nuts (except right-angle version), or dual float bushings (except right-angle version). ■ Approvals: • UL Recognized - Files E170218 (UL1977) and E130965 (UL1863). • CSA Approved - File LR31996. ■ See pages 4-5 thru 4-10 for standard dimensions, contact arrangements, and panel mounting specifications.	
MATERIALS	Insulator Material: Glass-filled diallyl phthalate (green) UL 94V-0 rated Connector Shell: Steel with zinc plating and yellow chromate finish or tin plating (grounding indents on plug) Contact Material: Plug - Brass (machined), Socket - Phosphor bronze (machined) Contact Plating: 30µin. gold over nickel 4-40 Clinch Nut: Steel with cadmium plating and yellow chromate finish Dual Float Bushing: Stainless steel, passivated	    
ENVIRONMENTAL	Operating Temperature: -65°C to + 125°C Shock: 50G peak per MIL-STD-202, Method 213, Condition G Vibration: 12 cycles in three perpendicular directions @ 10-2000Hz, per MIL-STD-202, Method 204, Condition D Moisture Resistance: 90-95% relative humidity @ 40°C for 96 hours per MIL-STD-202, Method 103	
ELECTRICAL	Withstanding Voltage: Minimum 1250V RMS @ sea level Current Rating: 5 Amps Contact Resistance: 2.7 milliohms maximum Insulation Resistance: 5000 megohms maximum (initial); 1000 megohms (minimum) after environmental testing	
MECHANICAL	Individual Contact Insertion and Separation Force (minimum/maximum): 0.7 oz./12 oz. Durability: 500 mating cycles	

**D-subminiature Metal Shell
Solder Cup
Series 1 - High Reliability**



- Will accommodate up to 20 AWG wire.



Ordering Information

Solder Cup Plugs

Zinc-Plated Shell with Yellow Chromate Finish				Tin-Plated Shell with Grounding Indents		
Positions	Mounting Hole	4-40 Clinch Nut	Dual Float Bushings	Mounting Hole	4-40 Clinch Nut	Dual Float Bushings
9	DEM-9P	DEME-9P	DEMY-9P	DEM-9PTI	DEME-9PTI	DEMY-9PTI
15	DAM-15P	DAME-15P	DAMY-15P	DAM-15PTI	DAME-15PTI	DAMY-15PTI
25	DBM-25P	DBME-25P	DBMY-25P	DBM-25PTI	DBME-25PTI	DBMY-25PTI
37	DCM-37P	DCME-37P	DCMY-37P	DCM-37PTI	DCME-37PTI	DCMY-37PTI
50	DDM-50P	DDME-50P	DDMY-50P	DDM-50PTI	DDME-50PTI	DDMY-50PTI

Solder Cup Sockets

Zinc-Plated Shell with Yellow Chromate Finish				Tin-Plated Shell		
Positions	Mounting Hole	4-40 Clinch Nut	Dual Float Bushings	Mounting Hole	4-40 Clinch Nut	Dual Float Bushings
9	DEM-9S	DEME-9S	DEMY-9S	DEM-9ST	DEME-9ST	DEMY-9ST
15	DAM-15S	DAME-15S	DAMY-15S	DAM-15ST	DAME-15ST	DAMY-15ST
25	DBM-25S	DBME-25S	DBMY-25S	DBM-25ST	DBME-25ST	DBMY-25ST
37	DCM-37S	DCME-37S	DCMY-37S	DCM-37ST	DCME-37ST	DCMY-37ST
50	DDM-50S	DDME-50S	DDMY-50S	DDM-50ST	DDME-50ST	DDMY-50ST

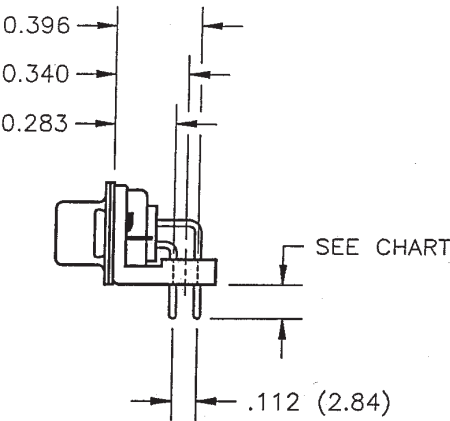
D-subminiature Metal Shell Right-Angle Dip Solder PCB Series 1 - High Reliability



- .283" footprint uses minimal board space.
- Available with three contact tail lengths (.125", .158", and .185") and two contact diameters (.030" and .040").

Materials

- Mounting bracket: Black nylon. Can be removed if necessary.



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Ordering Information

Right-Angle PCB Plugs

Zinc-Plated Shell with Yellow Chromate Finish

Positions	.125 Tail Length .030 Contact Diameter	.158 Tail Length .030 Contact Diameter	.185 Tail Length .030 Contact Diameter	.125 Tail Length .040 Contact Diameter	.158 Tail Length .040 Contact Diameter	.185 Tail Length .040 Contact Diameter
9	DEM-9PD	DEM-9PL	DEM-9PS	DEM-9PA	DEM-9PG	DEM-9PW
15	DAM-15PD	DAM-15PL	DAM-15PS	DAM-15PA	DAM-15PG	DAM-15PW
25	DBM-25PD	DBM-25PL	DBM-25PS	DBM-25PA	DBM-25PG	DBM-25PW
37	DCM-37PD	DCM-37PL	DCM-37PS	DCM-37PA	DCM-37PG	DCM-37PW

Tin-Plated Shell with Grounding Indents

Positions	.125 Tail Length .030 Contact Diameter	.158 Tail Length .030 Contact Diameter	.185 Tail Length .030 Contact Diameter	.125 Tail Length .040 Contact Diameter	.158 Tail Length .040 Contact Diameter	.185 Tail Length .040 Contact Diameter
9	DEM-9PDTI	DEM-9PLTI	DEM-9PSTI	DEM-9PATI	DEM-9PGTI	DEM-9PWTI
15	DAM-15PDTI	DAM-15PLTI	DAM-15PSTI	DAM-15PATI	DAM-15PGTI	DAM-15PWTI
25	DBM-25PDTI	DBM-25PLTI	DBM-25PSTI	DBM-25PATI	DBM-25PGTI	DBM-25PWTI
37	DCM-37PDTI	DCM-37PLTI	DCM-37PSTI	DCM-37PATI	DCM-37PGTI	DCM-37PWTI