

# D-subminiature Metal Shell and All Plastic Solder Cup and IDC T\* Series



## FEATURES

- Offered in 9, 15, 25, and 37 position plugs and sockets.
- Available in Solder Cup and IDC (insulation displacement) terminations for discrete wire.
- Offered with .120 mounting holes.
- 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 (black), UL 94 V-O rated  
**Connector Shell:** Steel with zinc plating and yellow chromate finish or tin plating (grounding indents on plug)  
**Contact Material:** Phosphor bronze (stamped)  
**Contact Plating:** Gold flash or 30µin. gold in mating area and gold flash on the remainder. All over nickel.

## 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 1000V RMS @ sea level  
**Current Rating:** 3 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 for Discrete Cable Wire T\* Series



- Solder channels between barriers permit single-pass soldering of each row without solder bridging.
- Will accommodate up to 22 AWG wire.



## Ordering Information

### Solder Cup Plugs

Positions	Zinc-Plated Shell with Yellow Chromate Finish		Tin-Plated Shell with Grounding Indents	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	TE-9PS	TE-9PS-30	TE-9PTIS	TE-9PTIS-30
15	TA-15PS	TA-15PS-30	TA-15PTIS	TA-15PTIS-30
25	TB-25PS	TB-25PS-30	TB-25PTIS	TB-25PTIS-30
37	TC-37PS	TC-37PS-30	TC-37PTIS	TC-37PTIS-30

### Solder Cup Sockets

Positions	Zinc-Plated Shell with Yellow Chromate Finish		Tin-Plated Shell	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	TE-9SS	TE-9SS-30	TE-9STS	TE-9STS-30
15	TA-15SS	TA-15SS-30	TA-15STS	TA-15STS-30
25	TB-25SS	TB-25SS-30	TB-25STS	TB-25STS-30
37	TC-37SS	TC-37SS-30	TC-37STS	TC-37STS-30

# D-subminiature Metal Shell IDC for Discrete Cable Wire T\* Series



- Will accommodate 24-26 AWG solid or stranded PVC wire.



## Ordering Information

### IDC Plugs

Positions	Zinc-Plated Shell with Yellow Chromate Finish		Tin-Plated Shell with Grounding Indents	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	TE-9PSH	TE-9PSH-30	TES-9PTI	TES-9PTI-30
15	TA-15PSH	TA-15PSH-30	TAS-15PTI	TAS-15PTI-30
25	TB-25PSH	TB-25PSH-30	TBS-25PTI	TBS-25PTI-30
37	TC-37PSH	TC-37PSH-30	TCS-37PTI	TCS-37PTI-30

### IDC Sockets

Positions	Zinc-Plated Shell with Yellow Chromate Finish		Tin-Plated Shell	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	TE-9SSH	TE-9SSH-30	TES-9ST	TES-9ST-30
15	TA-15SSH	TA-15SSH-30	TAS-15ST	TAS-15ST-30
25	TB-25SSH	TB-25SSH-30	TBS-25ST	TBS-25ST-30
37	TC-37SSH	TC-37SSH-30	TCS-37ST	TCS-37ST-30

# D-subminiature Metal Shell IDC for Discrete Cable Wire T\* Series



- Auto-Clinch D Semi-Automatic Termination Tool #ACD-432: See page 4-100.
  - Certi-Clinch D Manual Termination Tool #SD-CCWN: For 24-26 AWG wire: See page 4-100.
  - Uni-Clinch D Single-Wire Hand Insertion Tool #SD-UC: See page 4-100.
  - Super D Manual Stay Band Tool #SD-MSBT: See page 4-100.
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- Optional strain relief covers for connectors when backshell is not required.

## Ordering Information

Positions	Catalog No.
9	SSD-WC9
15	SSD-WC15
25	SSD-WC25
37	SSD-WC37



- One-piece cover for 9 contact size. Order one per connector. Two-piece cover for other sizes. Order two per connector.
- Cover fits both plug and socket.

# D-subminiature All-Plastic IDC for Discrete Cable Wire T\* Series



- For use only with SDH Series Gray Backshell on pages 4-89 thru 4-90.
- Offered in 9, 15, 25, and 37 position plugs and sockets.
- Connector will accommodate 24-28 AWG wire.
- Offered with plain flanges and .120 mounting holes, threaded bushings, latch blocks, or latch blocks and threaded bushings.

- Auto-Clinch D Semi-Automatic Termination Tool #ACD-432: See page 4-100.
- Certi-Clinch D Manual Termination Tool #SD-CC for 24-28 AWG wire: See page 4-100.
- Uni-Clinch D Single-Wire Hand Insertion Tool #SD-UC: See page 4-100.
- Super D Manual Stay Band Tool #SD-MSBT: See page 4-100.



Plug with Latching Blocks



Socket with Latching Blocks



## Dimensions

Positions	A		A		B		CP		CS		D	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
9	1.209	30.71	1.309	33.25	.984	24.99	.668	16.96	.642	16.31	.592	15.04
15	1.536	39.01	1.636	41.55	1.312	33.32	.995	25.28	.970	24.64	.918	23.31
25	2.079	52.81	2.179	55.35	1.852	47.04	1.535	38.99	1.512	38.40	1.462	37.13
37	2.724	69.19	2.824	71.73	2.500	63.50	2.183	55.45	2.158	54.81	2.114	53.70

# D-subminiature All-Plastic IDC for Discrete Wire T\* Series



## Ordering Information

### IDC All-Plastic Plugs

#### Plain Flange

Positions	Mounting Holes		4-40 Threaded Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	TE-9P	TE-9P-30	TE-9PTB	TE-9PTB-30
15	TA-15P	TA-15P-30	TA-15PTB	TA-15PTB-30
25	TB-25P	TB-25P-30	TB-25PTB	TB-25PTB-30
37	TC-37P	TC-37P-30	TC-37PTB	TC-37PTB-30

#### Flange with Latch Block

Positions	Mounting Holes		4-40 Threaded Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	TE-9PLB	TE-9PLB-30	TE-9PLB-1	TE-9PLB-1-30
15	TA-15PLB	TA-15PLB-30	TA-15PLB-1	TA-15PLB-1-30
25	TB-25PLB	TB-25PLB-30	TB-25PLB-1	TB-25PLB-1-30
37	TC-37PLB	TC-37PLB-30	TC-37PLB-1	TC-37PLB-1-30

### IDC All-Plastic Sockets

#### Plain Flange

Positions	Mounting Holes		4-40 Threaded Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	TE-9S	TE-9S-30	TE-9STB	TE-9STB-30
15	TA-15S	TA-15S-30	TA-15STB	TA-15STB-30
25	TB-25S	TB-25S-30	TB-25STB	TB-25STB-30
37	TC-37S	TC-37S-30	TC-37STB	TC-37STB-30

#### Flange with Latch Block

Positions	Mounting Holes		4-40 Threaded Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	TE-9SLB	TE-9SLB-30	TE-9SLB-1	TE-9SLB-1-30
15	TA-15SLB	TA-15SLB-30	TA-15SLB-1	TA-15SLB-1-30
25	TB-25SLB	TB-25SLB-30	TB-25SLB-1	TB-25SLB-1-30
37	TC-37SLB	TC-37SLB-30	TC-37SLB-1	TC-37SLB-1-30