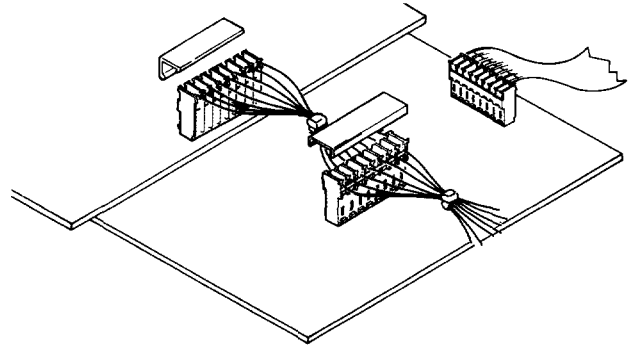
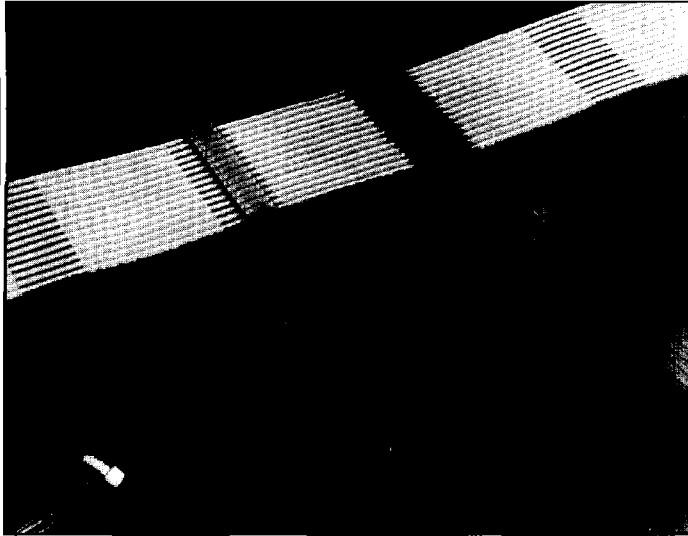


A6 MAS-CON® IDC Connectors

.100" \varnothing End and Through Connectors — Type CE and CT



Performance Data

MATERIALS

Housing: 6/6 Nylon, U.L. 94 V-2 Rated
Contact: Copper Alloy
Plating: 200 μ " Tin Over Nickel
 30 μ " Gold Over Nickel (Contact Factory)
 15 μ " Gold Over Nickel (Contact Factory)

MECHANICAL

Mating Force: 1.3 lbs. Max. per contact
Unmating Force: 0.3 lbs. Min. per contact
Wire Range: .030"/.055" Outside Diameter
Recommended Wire: PVC: U.L. Styles 1007, 1061, 1095, 1429, 1430, 2651 (Flat Cable) and MIL-W-16878.
 Teflon: U.L. Style 1213; Type G, MIL-W-16878E148; Type ET, MIL-W-16878E16; Type KT, MIL-W-16878; Type K, MIL-W-16878

TEMPERATURE

Range: -67°F to 185°F (-55°C to 85°C)

AGENCY APPROVALS

U.L. Recognized — File No. E73711
 C.S.A. Certified — File No. 46657

PANDUIT'S .100" centerline MAS-CON connectors allow a reliable and economical method to bring signals to a printed circuit board using discrete wire or pre-notched flat cable. Connectors offered in Circuit End (CE) and Circuit Through (CT) styles have color coded ribs for AWG size identification. Contrasting dots below ribs are also used to identify the CT connector which is used for daisychain applications. Optimum connector performance is provided by the IDC contacts piercing the insulation of each wire on two sides to make four (4) gas-tight connections. Contacts are copper alloy with tin over nickel plating.

ELECTRICAL

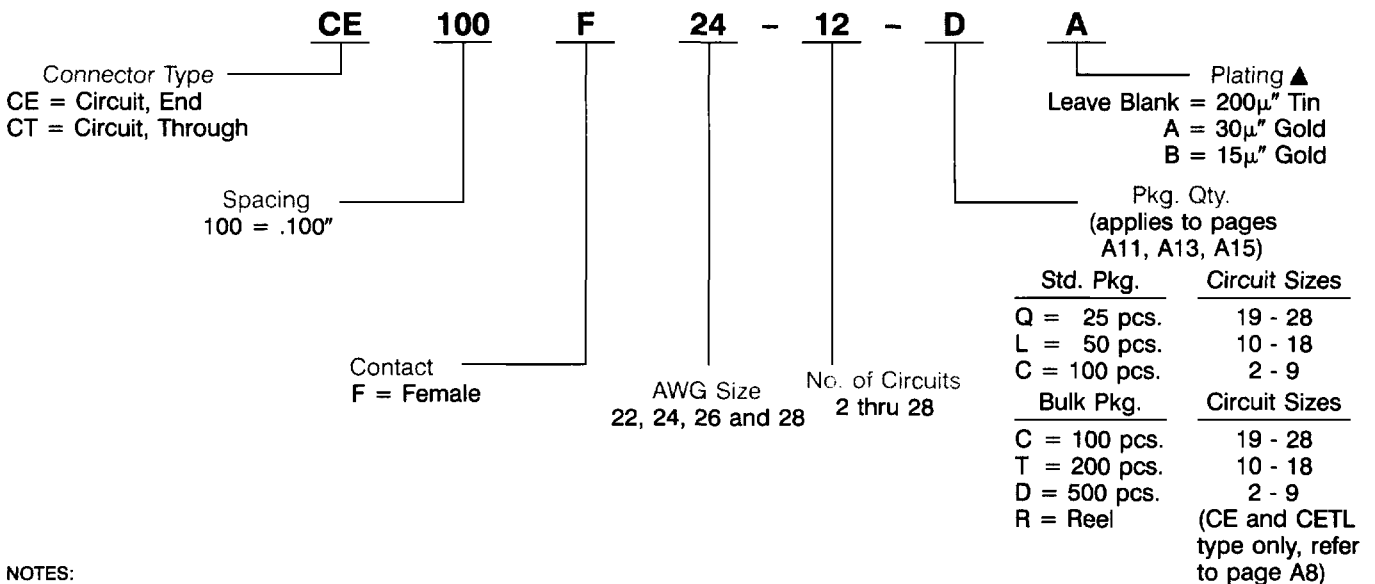
Current Rating: 22 AWG — 4.0 Amps
 24/26 AWG — 3.5 Amps
 28 AWG — 3.0 Amps

Dielectric Withstanding Voltage: 2.0 KVAC Min.*

Insulation Resistance: 5,000 Megohms Min.*

* Between adjacent contacts

Part Number System

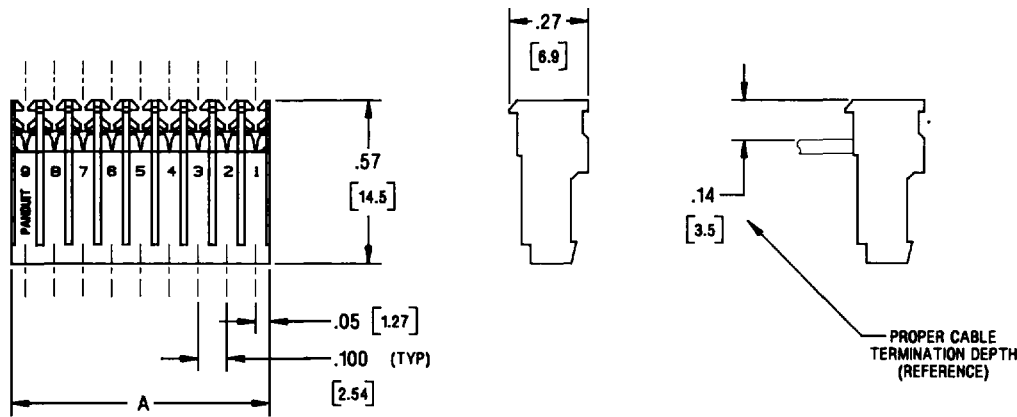


NOTES:

- ▲ = For 30 μ " or 15 μ " gold plating, contact factory.
- 36 circuit size for flat headers: refer to page A11.

.100" \varnothing End Connectors 200 μ " (5.08 μ m) Tin Plating

Dimension Drawing



MATES TO HEADER PART No's.

MFAE100-XX	MLSS100-XX
MFAS100-XX	MPAS100-XX
MFSS100-XX	MPSS100-XX
MLAS100-XX	

APPLICABLE SNAP-ON COVERS

EC100F-XX
SCC100F-XX

Dimensions

No. of Ckts.	A	No. of Ckts.	A
2	.20 (5.1)	16	1.60 (40.6)
3	.30 (7.6)	17	1.70 (43.2)
4	.40 (10.2)	18	1.80 (45.7)
5	.50 (12.7)	19	1.90 (48.3)
6	.60 (15.2)	20	2.00 (50.8)
7	.70 (17.8)	21	2.10 (53.3)
8	.80 (20.3)	22	2.20 (55.9)
9	.90 (22.9)	23	2.30 (58.4)
10	1.00 (25.4)	24	2.40 (61.0)
11	1.10 (27.9)	25	2.50 (63.5)
12	1.20 (30.5)	26	2.60 (66.0)
13	1.30 (33.0)	27	2.70 (68.6)
14	1.40 (35.6)	28	2.80 (71.1)
15	1.50 (38.1)		

All dimensions shown in inches and (millimeters)

Ordering Information

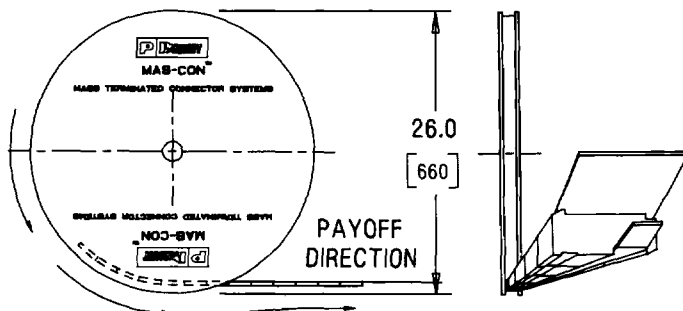
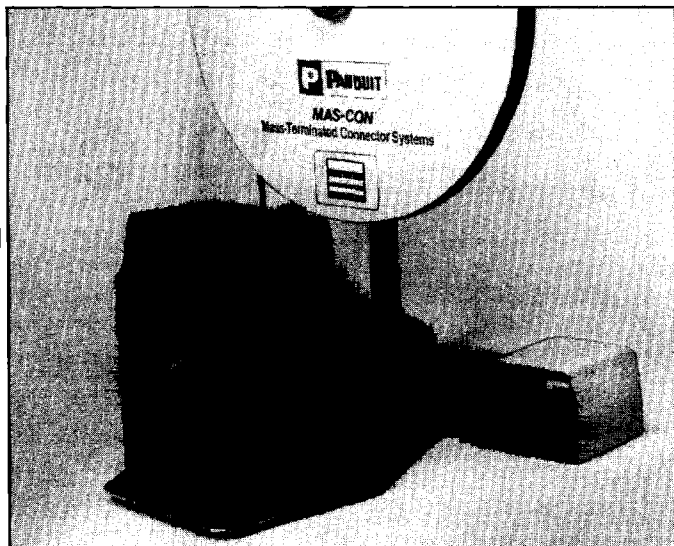
No. of Ckts.	Wire Size/AWG Color				No. of Ckts.	Wire Size/AWG Color			
	28 AWG Green	26 AWG Blue	24 AWG Black	22 AWG Red		28 AWG Green	26 AWG Blue	24 AWG Black	22 AWG Red
2	CE100F28- 2-□	CE100F26- 2-□	CE100F24- 2-□	CE100F22- 2-□	16	CE100F28-16-□	CE100F26-16-□	CE100F24-16-□	CE100F22-16-□
3	CE100F28- 3-□	CE100F26- 3-□	CE100F24- 3-□	CE100F22- 3-□	17	CE100F28-17-□	CE100F26-17-□	CE100F24-17-□	CE100F22-17-□
4	CE100F28- 4-□	CE100F26- 4-□	CE100F24- 4-□	CE100F22- 4-□	18	CE100F28-18-□	CE100F26-18-□	CE100F24-18-□	CE100F22-18-□
5	CE100F28- 5-□	CE100F26- 5-□	CE100F24- 5-□	CE100F22- 5-□	19	CE100F28-19-□	CE100F26-19-□	CE100F24-19-□	CE100F22-19-□
6	CE100F28- 6-□	CE100F26- 6-□	CE100F24- 6-□	CE100F22- 6-□	20	CE100F28-20-□	CE100F26-20-□	CE100F24-20-□	CE100F22-20-□
7	CE100F28- 7-□	CE100F26- 7-□	CE100F24- 7-□	CE100F22- 7-□	21	CE100F28-21-□	CE100F26-21-□	CE100F24-21-□	CE100F22-21-□
8	CE100F28- 8-□	CE100F26- 8-□	CE100F24- 8-□	CE100F22- 8-□	22	CE100F28-22-□	CE100F26-22-□	CE100F24-22-□	CE100F22-22-□
9	CE100F28- 9-□	CE100F26- 9-□	CE100F24- 9-□	CE100F22- 9-□	23	CE100F28-23-□	CE100F26-23-□	CE100F24-23-□	CE100F22-23-□
10	CE100F28-10-□	CE100F26-10-□	CE100F24-10-□	CE100F22-10-□	24	CE100F28-24-□	CE100F26-24-□	CE100F24-24-□	CE100F22-24-□
11	CE100F28-11-□	CE100F26-11-□	CE100F24-11-□	CE100F22-11-□	25	CE100F28-25-□	CE100F26-25-□	CE100F24-25-□	CE100F22-25-□
12	CE100F28-12-□	CE100F26-12-□	CE100F24-12-□	CE100F22-12-□	26	CE100F28-26-□	CE100F26-26-□	CE100F24-26-□	CE100F22-26-□
13	CE100F28-13-□	CE100F26-13-□	CE100F24-13-□	CE100F22-13-□	27	CE100F28-27-□	CE100F26-27-□	CE100F24-27-□	CE100F22-27-□
14	CE100F28-14-□	CE100F26-14-□	CE100F24-14-□	CE100F22-14-□	28	CE100F28-28-□	CE100F26-28-□	CE100F24-28-□	CE100F22-28-□
15	CE100F28-15-□	CE100F26-15-□	CE100F24-15-□	CE100F22-15-□					

NOTES:

- Denotes packaging quantity offered. Please refer to "Part Number System" on Page A6.
- Contact factory for gold plating.

A8 MAS-CON® IDC Connectors

.100" Q End Connectors Reel Packaging — Type CE and CETL

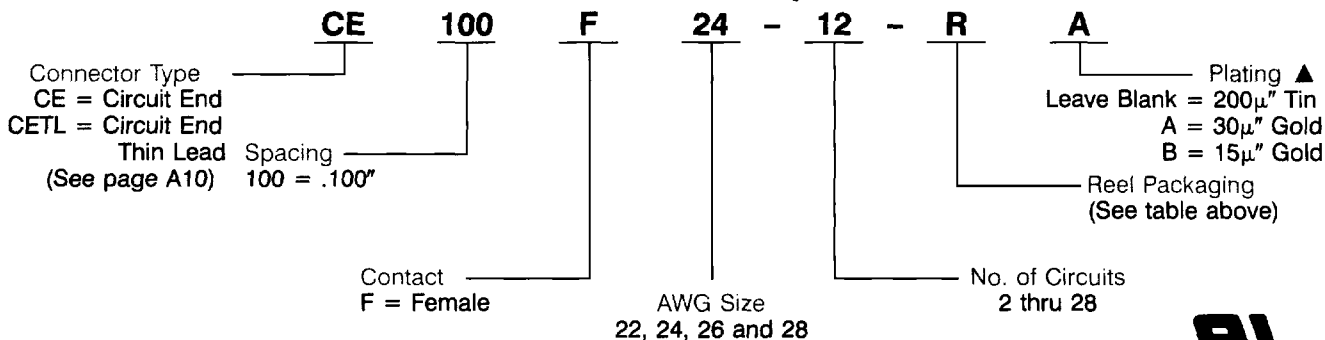


Pieces Per Reel

No. of Ckts	Connectors	No. of Ckts	Connectors	No. of Ckts	Connectors
2	5,000	11	950	20	350
3	3,500	12	875	21	325
4	2,625	13	800	22	300
5	2,100	14	750	23	300
6	1,750	15	700	24	275
7	1,500	16	425	25	275
8	1,300	17	400	26	250
9	1,150	18	375	27	250
10	1,050	19	350	28	250

PANDUIT'S high-volume reel-fed system, capable of approximately 2000 terminations per hour, provides maximum reliability and lowest installed cost. With connectors on tape, the system is ideally suited for long uninterrupted production runs of jumpers using pre-notched flat cable. This reel fed system terminates CE and CETL sockets.

Part Number System



▲ For 30μ" or 15μ" gold plating, contact factory.



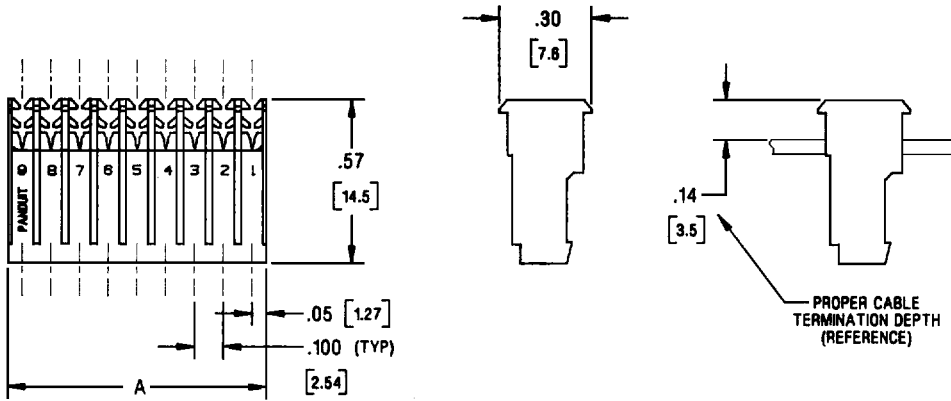
Ordering Information

No. of Ckts.	Wire Size/AWG Color				No. of Ckts.	Wire Size/AWG Color			
	28 AWG Green	26 AWG Blue	24 AWG Black	22 AWG Red		28 AWG Green	26 AWG Blue	24 AWG Black	22 AWG Red
2	CE100F28- 2-R	CE100F26- 2-R	CE100F24- 2-R	CE100F22- 2-R	16	CE100F28-16-R	CE100F26-16-R	CE100F24-16-R	CE100F22-16-R
3	CE100F28- 3-R	CE100F26- 3-R	CE100F24- 3-R	CE100F22- 3-R	17	CE100F28-17-R	CE100F26-17-R	CE100F24-17-R	CE100F22-17-R
4	CE100F28- 4-R	CE100F26- 4-R	CE100F24- 4-R	CE100F22- 4-R	18	CE100F28-18-R	CE100F26-18-R	CE100F24-18-R	CE100F22-18-R
5	CE100F28- 5-R	CE100F26- 5-R	CE100F24- 5-R	CE100F22- 5-R	19	CE100F28-19-R	CE100F26-19-R	CE100F24-19-R	CE100F22-19-R
6	CE100F28- 6-R	CE100F26- 6-R	CE100F24- 6-R	CE100F22- 6-R	20	CE100F28-20-R	CE100F26-20-R	CE100F24-20-R	CE100F22-20-R
7	CE100F28- 7-R	CE100F26- 7-R	CE100F24- 7-R	CE100F22- 7-R	21	CE100F28-21-R	CE100F26-21-R	CE100F24-21-R	CE100F22-21-R
8	CE100F28- 8-R	CE100F26- 8-R	CE100F24- 8-R	CE100F22- 8-R	22	CE100F28-22-R	CE100F26-22-R	CE100F24-22-R	CE100F22-22-R
9	CE100F28- 9-R	CE100F26- 9-R	CE100F24- 9-R	CE100F22- 9-R	23	CE100F28-23-R	CE100F26-23-R	CE100F24-23-R	CE100F22-23-R
10	CE100F28-10-R	CE100F26-10-R	CE100F24-10-R	CE100F22-10-R	24	CE100F28-24-R	CE100F26-24-R	CE100F24-24-R	CE100F22-24-R
11	CE100F28-11-R	CE100F26-11-R	CE100F24-11-R	CE100F22-11-R	25	CE100F28-25-R	CE100F26-25-R	CE100F24-25-R	CE100F22-25-R
12	CE100F28-12-R	CE100F26-12-R	CE100F24-12-R	CE100F22-12-R	26	CE100F28-26-R	CE100F26-26-R	CE100F24-26-R	CE100F22-26-R
13	CE100F28-13-R	CE100F26-13-R	CE100F24-13-R	CE100F22-13-R	27	CE100F28-27-R	CE100F26-27-R	CE100F24-27-R	CE100F22-27-R
14	CE100F28-14-R	CE100F26-14-R	CE100F24-14-R	CE100F22-14-R	28	CE100F28-28-R	CE100F26-28-R	CE100F24-28-R	CE100F22-28-R
15	CE100F28-15-R	CE100F26-15-R	CE100F24-15-R	CE100F22-15-R					

NOTES:
 1. For LED/Transistor Thin Lead Connectors (See Page A10) Specify CETL 100F-2-R or CETL100F-3-R
 2. Contact factory for gold plating.

.100" \varnothing Through Connectors 200 μ " (5.08 μ m) Tin Plating

Dimension Drawing



A

MATES TO HEADER PART No's.

MFAE100-XX	MLSS100-XX
MFAS100-XX	MPAS100-XX
MFSS100-XX	MPSS100-XX
MLAS100-XX	

APPLICABLE SNAP-ON COVERS

TC100F-XX
SCC100F-XX

Dimensions

No. of Ckts.	A	No. of Ckts.	A
2	.20 (5.1)	16	1.60 (40.6)
3	.30 (7.6)	17	1.70 (43.2)
4	.40 (10.2)	18	1.80 (45.7)
5	.50 (12.7)	19	1.90 (48.3)
6	.60 (15.2)	20	2.00 (50.8)
7	.70 (17.8)	21	2.10 (53.3)
8	.80 (20.3)	22	2.20 (55.9)
9	.90 (22.9)	23	2.30 (58.4)
10	1.00 (25.4)	24	2.40 (61.0)
11	1.10 (27.9)	25	2.50 (63.5)
12	1.20 (30.5)	26	2.60 (66.0)
13	1.30 (33.0)	27	2.70 (68.6)
14	1.40 (35.6)	28	2.80 (71.1)
15	1.50 (38.1)		

All dimensions shown in inches and (millimeters)

Ordering Information

No. of Ckts.	Wire Size/AWG Color				No. of Ckts.	Wire Size/AWG Color			
	28 AWG Green	26 AWG Blue	24 AWG Black	22 AWG Red		28 AWG Green	26 AWG Blue	24 AWG Black	22 AWG Red
2	CT100F28-2-□	CT100F26-2-□	CT100F24-2-□	CT100F22-2-□	16	CT100F28-16-□	CT100F26-16-□	CT100F24-16-□	CT100F22-16-□
3	CT100F28-3-□	CT100F26-3-□	CT100F24-3-□	CT100F22-3-□	17	CT100F28-17-□	CT100F26-17-□	CT100F24-17-□	CT100F22-17-□
4	CT100F28-4-□	CT100F26-4-□	CT100F24-4-□	CT100F22-4-□	18	CT100F28-18-□	CT100F26-18-□	CT100F24-18-□	CT100F22-18-□
5	CT100F28-5-□	CT100F26-5-□	CT100F24-5-□	CT100F22-5-□	19	CT100F28-19-□	CT100F26-19-□	CT100F24-19-□	CT100F22-19-□
6	CT100F28-6-□	CT100F26-6-□	CT100F24-6-□	CT100F22-6-□	20	CT100F28-20-□	CT100F26-20-□	CT100F24-20-□	CT100F22-20-□
7	CT100F28-7-□	CT100F26-7-□	CT100F24-7-□	CT100F22-7-□	21	CT100F28-21-□	CT100F26-21-□	CT100F24-21-□	CT100F22-21-□
8	CT100F28-8-□	CT100F26-8-□	CT100F24-8-□	CT100F22-8-□	22	CT100F28-22-□	CT100F26-22-□	CT100F24-22-□	CT100F22-22-□
9	CT100F28-9-□	CT100F26-9-□	CT100F24-9-□	CT100F22-9-□	23	CT100F28-23-□	CT100F26-23-□	CT100F24-23-□	CT100F22-23-□
10	CT100F28-10-□	CT100F26-10-□	CT100F24-10-□	CT100F22-10-□	24	CT100F28-24-□	CT100F26-24-□	CT100F24-24-□	CT100F22-24-□
11	CT100F28-11-□	CT100F26-11-□	CT100F24-11-□	CT100F22-11-□	25	CT100F28-25-□	CT100F26-25-□	CT100F24-25-□	CT100F22-25-□
12	CT100F28-12-□	CT100F26-12-□	CT100F24-12-□	CT100F22-12-□	26	CT100F28-26-□	CT100F26-26-□	CT100F24-26-□	CT100F22-26-□
13	CT100F28-13-□	CT100F26-13-□	CT100F24-13-□	CT100F22-13-□	27	CT100F28-27-□	CT100F26-27-□	CT100F24-27-□	CT100F22-27-□
14	CT100F28-14-□	CT100F26-14-□	CT100F24-14-□	CT100F22-14-□	28	CT100F28-28-□	CT100F26-28-□	CT100F24-28-□	CT100F22-28-□
15	CT100F28-15-□	CT100F26-15-□	CT100F24-15-□	CT100F22-15-□					

- NOTES:
 1. □ Denotes packaging quantity offered. Please refer to "Part Number System" on Page A6.
 2. Contact factory for gold plating.

A10 MAS-CON® IDC Connectors

.100 Q LED/Transistor Thin Lead Connectors



A

PANDUIT'S CETL type connector is designed to be used with plug-in components such as LEDs* and transistors having round or square leads of .010" through .015". The connectors, offered in circuit sizes 2 or 3, and available only in .100" centerline can be used with either round conductor flat cable or discrete wires.

Performance Data

MATERIALS

Housing: 6/6 Nylon, U.L. 94 V-2 Rated
Contact: Copper Alloy
Plating: 200 μ " Tin Over Nickel
 30 μ " Gold Over Nickel (Contact factory)
 15 μ " Gold Over Nickel (Contact factory)

MECHANICAL

Mating Force: 1.3 lbs. Max. per contact
Unmating Force: 0.3 lbs. Min. per contact
Wire Range: .030"/.055" Outside Diameter
Recommended Wire: PVC: U.L. Styles 1007, 1061, 1095, 1429, 1430, 2651 (Flat Cable) and MIL-W-16878.
 Teflon: U.L. Style 1213; Type G, MIL-W-16878E148; Type ET, MIL-W-16878E16; Type KT, MIL-W-16878; Type K, MIL-W-16878

ELECTRICAL

Current Rating: 22 AWG — 4.0 Amps
 24/26 AWG — 3.5 Amps
 28 AWG — 3.0 Amps
Dielectric Withstanding Voltage: 2.0 KVAC Min.*
Insulation Resistance: 5,000 Megohms Min.*

TEMPERATURE

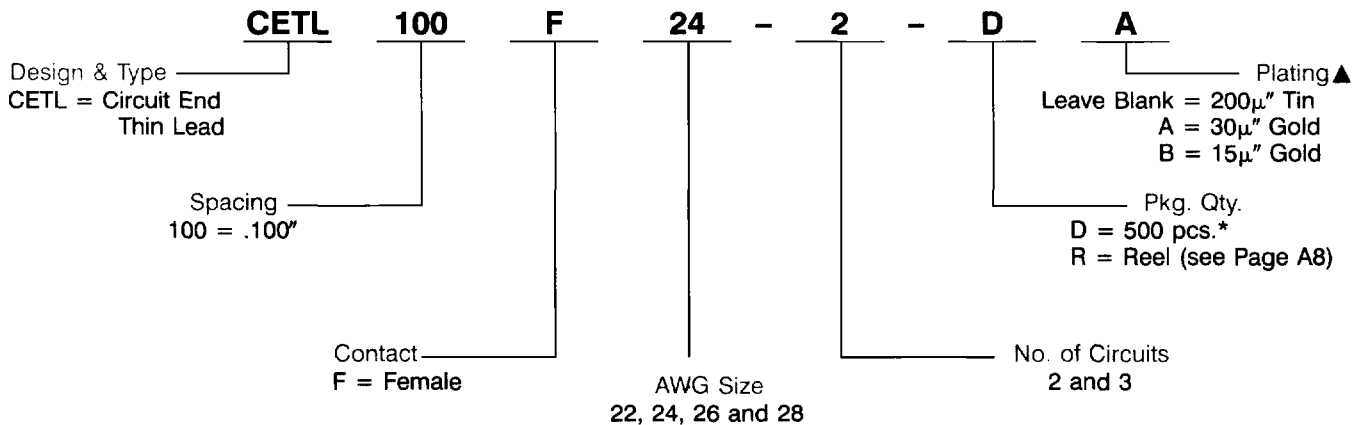
Operating: -67°F to 185°F (-55°C to 85°C)

AGENCY APPROVALS

U.L.-Recognized — File No. E73711

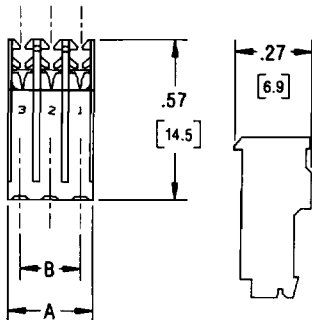
*Between adjacent contacts

Part Number System



* For smaller package quantities please contact distributor or factory.

▲ For 30 μ " or 15 μ " gold plating, contact factory.



Ordering Information

Number of Circuits	WIRE SIZE/AWG COLOR				Covers	DIMENSIONS	
	28 AWG Green	26 AWG Blue	24 AWG Black	22 AWG Red		A Inches (mm)	B Inches (mm)
2	CETL100F28-2-□	CETL100F26-2-□	CETL100F24-2-□	CETL100F22-2-□	EC100F-2	.200 (5.08)	.100 (2.54)
3	CETL100F28-3-□	CETL100F26-3-□	CETL100F24-3-□	CETL100F22-3-□	EC100F-3	.300 (7.62)	.200 (5.08)

NOTES:

- Denotes packaging quantity offered. Please refer to "Part Number System" above.
- Contact factory for gold plating.