Note: All part numbers are RoHS Compliant.

Circular Plastic Connectors, Series 1, VDE Tested

CPC Connectors, Series 1, for Cable or Panel Mount

(Accepts Type III+, High-Current Power, Type II and Subminiature Coax Contacts)

- Designed to meet requirements of VDE as shown in DIN Specification 57627
- Recognized under the Component Program of Underwriters Laboratories Inc. for 600 VAC and 600 VDC service, File No. E28476
- Certified by Canadian Standards Association, File No. LR 7189

Listed part numbers are for connectors only; **contacts must be ordered separately.**

Material

Housing—Thermoplastic, 94V-0 rated, black

Related Product Data

Contacts—Pages 17-23
Contact Arrangement—Page 24
Component Dimensions—Page 25*
Accessories—Pages 38-42, 52-54
Performance Characteristics—Page 6
Application Tooling—Pages 76-79
Technical Documents—Page 80

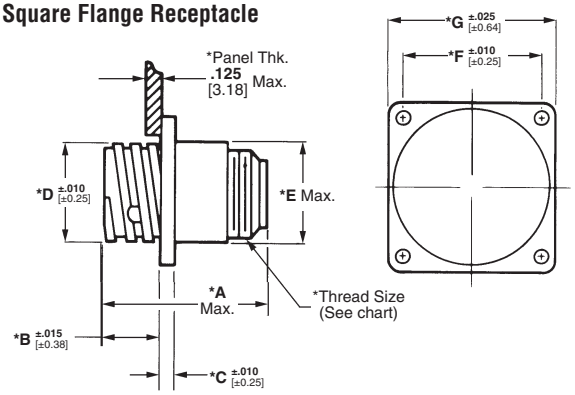
Replacement Coupling Rings

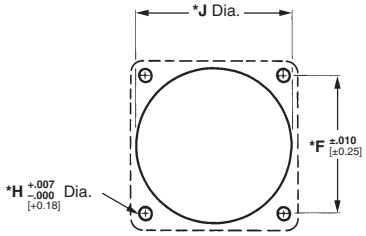
Shell Size	Part No.
13	213813-1
17	213810-1
23	213812-1

Keying

A—Standard Configuration: 5 Keys
B—Optional Configuration: 4 Keys

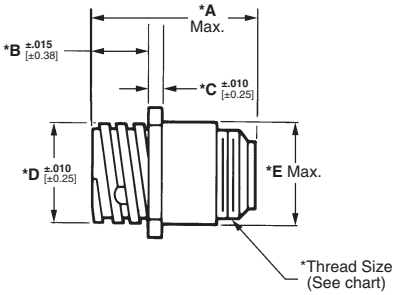
Square Flange Receptacle

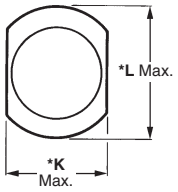




Panel Cutout

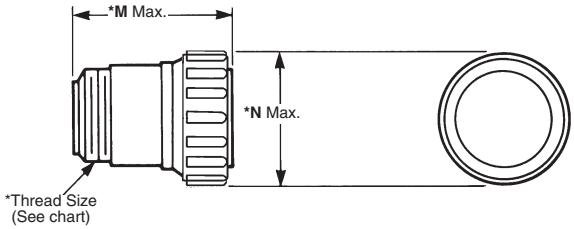
Free-Hanging Receptacle





***Note:**
See page 25 for callout dimensions

Plug



Standard Sex Connectors (Receptacles accept pin contacts, Plugs accept socket contacts)

Arrangement: Shell Size	Arrangement: No. of Positions	Keying	Square Flange Receptacle: With Threaded Inserts[1]	Square Flange Receptacle: With Mounting Holes	Plug
13-7		A	211401-4	211401-1	211399-1
17-9		A	211767-2	211767-1	211766-1
23-19		A	211771-2	211771-1	211770-2
		B	—	213870-1	213853-1

[1]Four 4-40 threaded inserts per receptacle.

Reverse Sex Connectors (Receptacles accept socket contacts, Plugs accept pin contacts)

Arrangement: Shell Size	Arrangement: No. of Positions	Keying	Square Flange Receptacle: With Threaded Inserts[1]	Square Flange Receptacle: With Mounting Holes	Free-Hanging Receptacle	Plug
13-7		A	211398-4	211398-1	211398-2	211400-1
17-9		A	—	211769-1	211769-3	211768-1
		B	—	796439-2	—	796450-1
23-19		A	—	211773-1	—	211772-1
		B	—	213868-1	—	213852-1

[1]Four 4-40 threaded inserts per receptacle.
Key Style “A” is the Standard 5 Locating Key arrangement. Key Style “B” is the 4 Locating Key arrangement.

Catalog 82021
Revised 7-07

www.tycoelectronics.com

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA: 1-800-522-6752
Canada: 1-905-470-4425
Mexico: 52-55-1106-0800
C. America: 57-1-254-4444

South America: 55-11-2103-6000
Hong Kong: 852-2735-1628
Japan: 81-44-844-8013
UK: 44-208-420-8341

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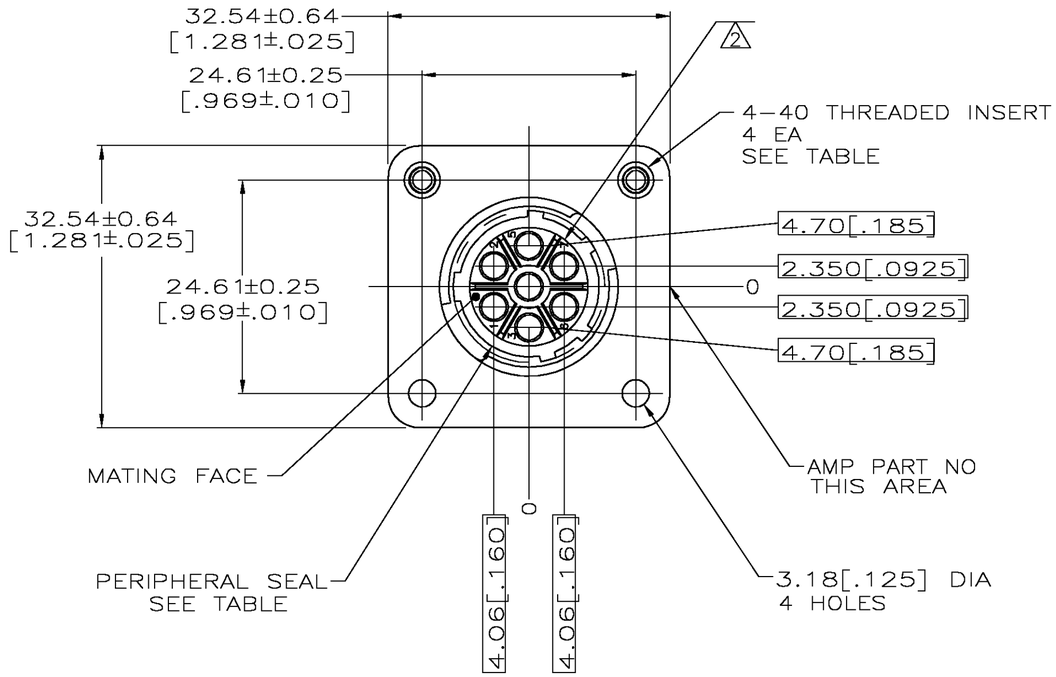
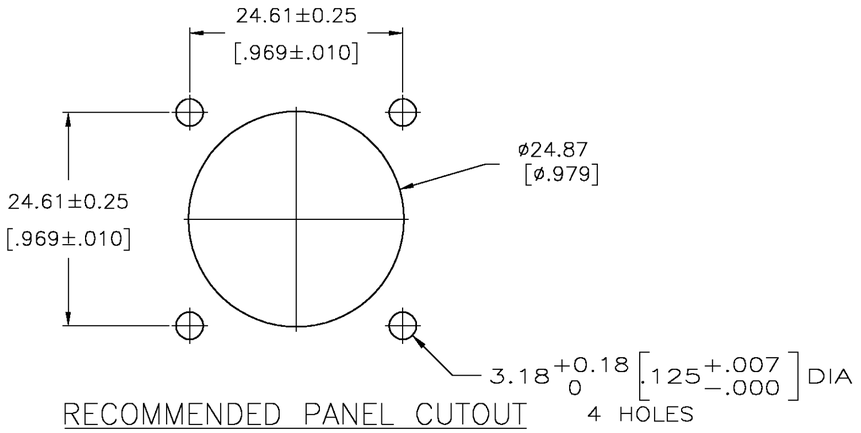
LOC	DIST
FT	0

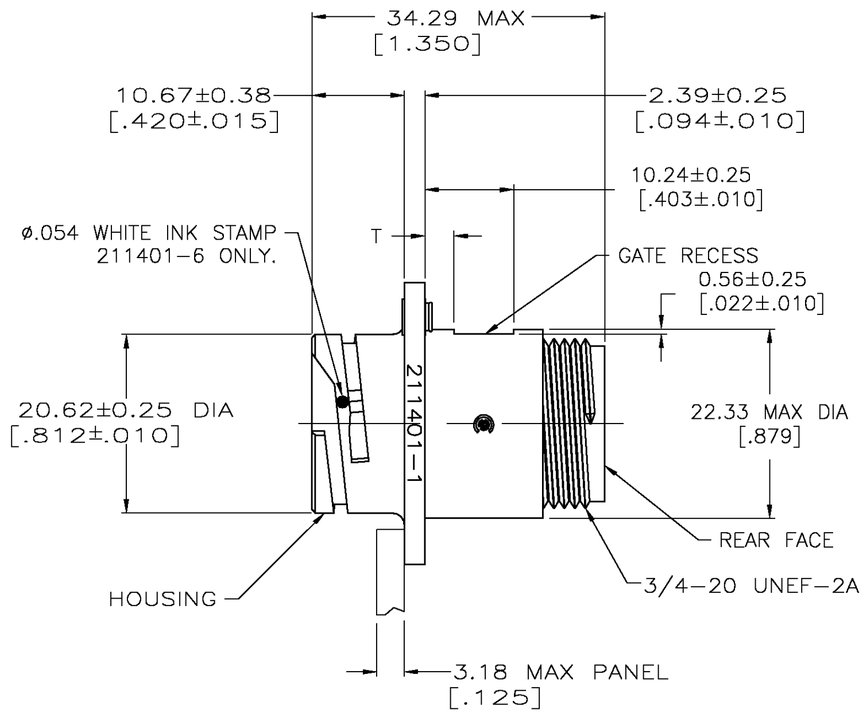
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	H	REVISED PER 0G3B-0134-05	4/25/05	SS	HW





RECOMMENDED PANEL CUTOUT



	T	4-40 THREADED INSERTS	PERIPHERAL SEAL	MAX WIRE INSULATION DIA	PART NUMBER
	3.35±0.25 [.132±.010]	NO	NO	3.81 [.150]	211401-8
5	1.83±0.25 [.072±.010]	NO	NO	3.81 [.150]	211401-6
5	1.83±0.25 [.072±.010]	YES	NO	2.54 [.100]	211401-5
	1.83±0.25 [.072±.010]	YES	NO	3.81 [.150]	211401-4
	1.83±0.25 [.072±.010]	NO	YES	3.81 [.150]	211401-3
	1.83±0.25 [.072±.010]	NO	NO	2.54 [.100]	211401-2
	1.83±0.25 [.072±.010]	NO	NO	3.81 [.150]	211401-1

1. HOUNSING: THERMOPLASTIC, BLACK.
   PERIPHERAL SEAL: ELASTOMER, GRAY.
   THREADED INSERTS: BRASS.
2. CAVITY IDENTIFICATION ON FRONT AND REAR FACE.
3. WILL ACCEPT SEVEN (7) MULTIMATE PIN CONTACTS.
4. .0050MAX FLASH PERMITTED IN THE AREA OF DIMENSION T, .020 MAX FLASH PERMITTED ON MATING FACE SIDE AND .025 MAX FLASH PERMITTED ON REAR FACE SIDE.
5. PRELIMINARY PART NUMBER.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± 0.13 [.005]
3 PLC ± –
4 PLC ± –
ANGLES ± –

MATERIAL – 1
FINISH –

DWN D.HARDY 08-01-94
CHK R.STONE 08-10-94
APVD – –
PRODUCT SPEC –
APPLICATION SPEC –
WEIGHT –

Tyco Electronics Corporation
Harrisburg, Pa 17105-3608

NAME
RECEPTACLE HOUSING,
STANDARD SEX, 13-7, CPC
–

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-211401	–

CUSTOMER DRAWING | SCALE 2:1 | SHEET 1 OF 2 | REV H

211401

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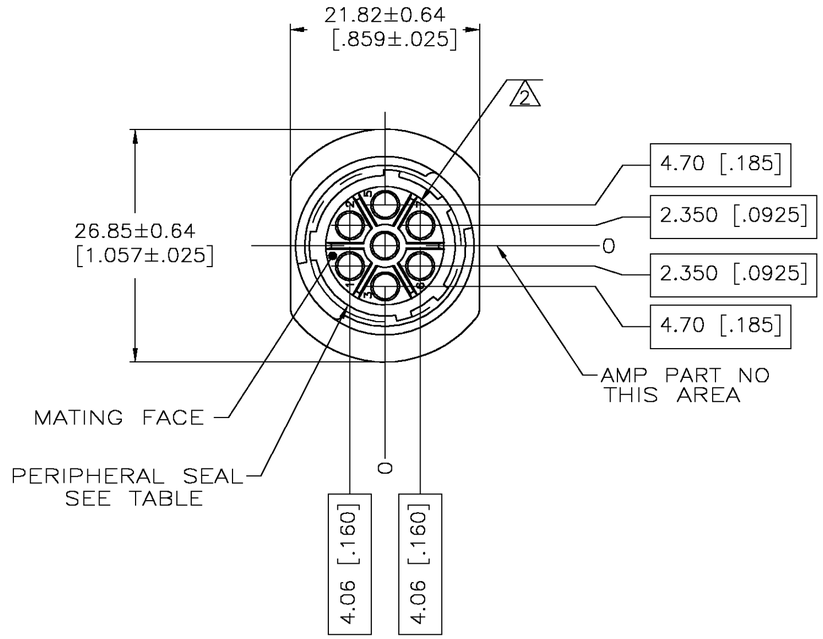
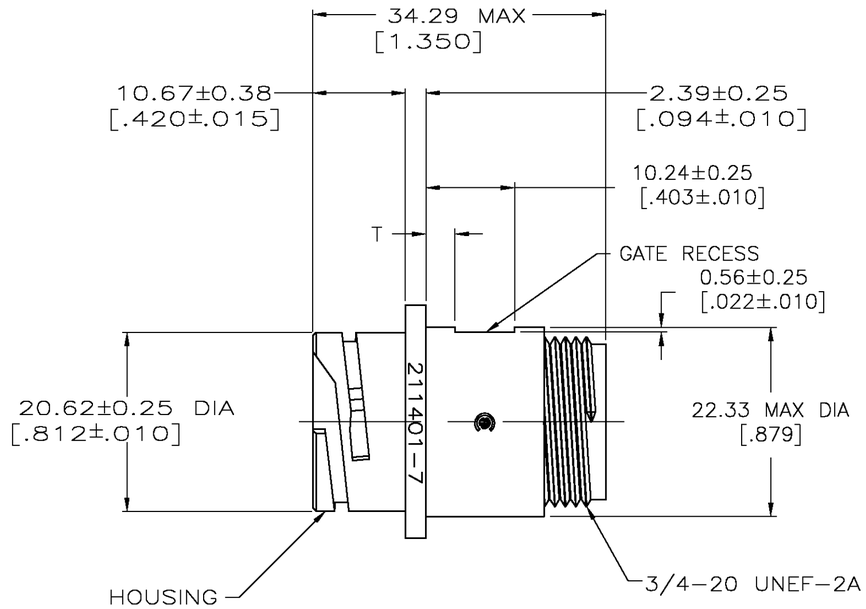
LOC	DIST
FT	0

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	–	–





1.83±0.25 [.072±.010]	NO	2.54 [.100]	211401-7
T	PERIPHERAL SEAL	MAX WIRE INSULATION DIA	PART NUMBER

1. HOUNSING: THERMOPLASTIC, BLACK.
   PERIPHERAL SEAL: ELASTOMER, GRAY.
   THREADED INSERTS: BRASS.
2. CAVITY IDENTIFICATION ON FRONT AND REAR FACE.
3. WILL ACCEPT SEVEN (7) MULTIMATE PIN CONTACTS.
4. .005 MAX FLASH PERMITTED IN THE AREA OF DIMENSION T, .020 MAX FLASH PERMITTED ON MATING FACE SIDE AND .025 MAX FLASH PERMITTED ON REAR FACE SIDE.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± 0.13 [.005]
3 PLC ± –
4 PLC ± –
ANGLES ± –

MATERIAL – 1

FINISH –

DWN D.HARDY 08-01-94
CHK R.STONE 08-10-94
APVD –
PRODUCT SPEC –
APPLICATION SPEC –
WEIGHT –

tyco Electronics
Tyco Electronics Corporation
Harrisburg, Pa 17105-3608

NAME
RECEPTACLE HOUSING,
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–

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-211401	–

CUSTOMER DRAWING | SCALE 2:1 | SHEET 2 OF 2 | REV H

211401