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LOC

GP

DIST

00

REVISONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
D1		REVISED PER ECO-11-004835	11MAR11	RK	HMR

BEFORE TERMINATION

14.15
[.557]

AFTER TERMINATION

12.10 MAX
[.476]

B

C

1.27
[.050]

POSITION #1 INDICATOR
(ON FAR SIDE)

1.00
[.040]

A

2.54
[.100]

6.05
[.238]

2.54
[.100]

D

0.81
[.032]

0.89
[.035]

30°

0.81
[.032]

0.81
[.032]

0.89
[.035]

30°

7.62 MIN
[.300]

A±0.05
[.002]

2.54±0.05
[.100±.002]

2.54±0.05
[.100±.002]

3.81 MIN (FOR CONNECTORS W/O
[.150] CENTER POLARIZER)

5.08 MIN (FOR CONNECTORS W/
[.200] CENTER POLARIZER)

0.64±0.03 SQUARE POST
[.025±.001]

MAX HEIGHT 6.40
[.252]

POST LAYOUT

ELECTRICAL PROPERTIES

CURRENT RATING	1 AMP
INSULATION RESISTANCE	>1 x 10 ⁹ OHMS @ 500 VDC
DWV	>500 VRMS AT SEA LEVEL
ENVIRONMENTAL PROPERTIES	
TEMPERATURE RATING	-55°C TO 125°C

4805 (3/11)

1. 20 POSITION CONNECTOR ASSEMBLY SHOWN.

MOLDED PARTS: THERMOPLASTIC, UL94V-0 RATED, COLOR BLUE.
CONTACTS: BERYLLIUM COPPER.

CONTACTS: 0.00076[.000030] MIN GOLD ON MATING AREA,
0.00254-0.00508[.000100-.000200] TIN OR GOLD FLASH ON TERMINATION END,
ALL OVER 0.00127[.000050] MIN NICKEL ON ENTIRE CONTACT.

POLARIZER FEATURE DOES NOT EXIST ON POSITION #1 END
FOR 14 POSITION ASSEMBLIES AND SMALLER.

POLARIZER FEATURE DOES NOT EXIST ON THIS END FOR
4 & 6 POSITION ASSEMBLIES.

FOR TERMINATION OF 26 OR 28 AWG STRANDED OR SOLID
PVC INSULATED FLAT RIBBON CABLE. SEE TYCO ELECTRONICS DRAWINGS
57034 (26 AWG) OR 57040 (28 AWG) FOR DETAILS.

STRAIN RELIEF PACKAGED SEPARATELY AND SHIPPED WITH
ASSEMBLY.

C

14.10±0.20
[.555±.008]

16.59
[.653]

14.14
[.557]

STRAIN RELIEF
(SEE TABLE)

BASE OF CONNECTOR

	YES	YES	3.80[.150]	85.78[3.377]	80.01[3.150]	78.74[3.100]	64	622-6441LF	3-1658527-2
	NO	YES	3.80[.150]	85.78[3.377]	80.01[3.150]	78.74[3.100]	64	622-6430LF	3-1658527-1
OBSOLETE	YES	YES	3.80[.150]	80.70[3.177]	74.93[2.950]	73.66[2.900]	60	622-6041LF	3-1658527-0
OBSOLETE	NO	YES	3.80[.150]	80.70[3.177]	74.93[2.950]	73.66[2.900]	60	622-6030LF	2-1658527-9
OBSOLETE	NO	YES	3.80[.150]	75.62[2.977]	69.85[2.750]	68.58[2.700]	56	622-5630LF	1-1658527-8
	YES	YES	3.80[.150]	68.00[2.677]	62.23[2.450]	60.95[2.400]	50	622-5041LF	1-1658527-5
	NO	YES	3.80[.150]	68.00[2.677]	62.23[2.450]	60.95[2.400]	50	622-5030LF	1-1658527-4
OBSOLETE	NO	NO	-	60.38[2.377]	54.61[2.150]	53.34[2.100]	44	622-4400LF	1-1658527-7
	YES	YES	3.80[.150]	55.30[2.177]	49.53[1.950]	48.26[1.900]	40	622-4041LF	1-1658527-3
	NO	YES	3.80[.150]	55.30[2.177]	49.53[1.950]	48.26[1.900]	40	622-4030LF	1-1658527-2
	YES	YES	3.80[.150]	47.68[1.877]	41.91[1.650]	40.64[1.600]	34	622-3441LF	2-1658527-8
	NO	YES	3.80[.150]	47.68[1.877]	41.91[1.650]	40.64[1.600]	34	622-3430LF	1-1658527-1
	YES	YES	3.80[.150]	42.60[1.677]	36.83[1.450]	35.56[1.400]	30	622-3041LF	2-1658527-7
	NO	YES	3.80[.150]	42.60[1.677]	36.83[1.450]	35.56[1.400]	30	622-3030LF	2-1658527-6
	YES	YES	3.80[.150]	37.52[1.477]	31.75[1.250]	30.48[1.200]	26	622-2641LF	1-1658527-0
	NO	YES	3.80[.150]	37.52[1.477]	31.75[1.250]	30.48[1.200]	26	622-2630LF	1658527-9
	YES	YES	3.80[.150]	34.98[1.377]	29.21[1.150]	27.94[1.100]	24	622-2441LF	2-1658527-5
OBSOLETE	NO	YES	3.80[.150]	34.98[1.377]	29.21[1.150]	27.94[1.100]	24	622-2430LF	2-1658527-4
	YES	YES	3.80[.150]	29.90[1.177]	24.13[.950]	22.86[.900]	20	622-2041LF	1658527-8
	NO	YES	3.80[.150]	29.90[1.177]	24.13[.950]	22.86[.900]	20	622-2030LF	2-1658527-3
	YES	YES	3.80[.150]	24.82[.977]	19.05[.750]	17.78[.700]	16	622-1641LF	1658527-7
	NO	YES	3.80[.150]	24.82[.977]	19.05[.750]	17.78[.700]	16	622-1630LF	1658527-6
	YES	YES	3.80[.150]	22.28[.877]	16.51[.650]	15.24[.600]	14	622-1441LF	2-1658527-2
	NO	YES	3.80[.150]	22.28[.877]	16.51[.650]	15.24[.600]	14	622-1430LF	1658527-5
OBSOLETE	YES	YES	3.80[.150]	19.74[.777]	13.97[.550]	12.70[.500]	12	622-1241LF	2-1658527-1
	NO	YES	3.80[.150]	19.74[.777]	13.97[.550]	12.70[.500]	12	622-1230LF	2-1658527-0
	YES	YES	3.20[.126]	17.20[.677]	11.43[.450]	10.16[.400]	10	622-1041LF	1658527-4
	NO	YES	3.20[.126]	17.20[.677]	11.43[.450]	10.16[.400]	10	622-1030LF	1658527-3
OBSOLETE	NO	NO	-	14.66[.577]	8.89[.350]	7.62[.300]	8	622-0800LF	1-1658527-6
	YES	YES	1.90[.075]	12.12[.477]	6.35[.250]	5.08[.200]	6	622-0641LF	1-1658527-9
	NO	YES	1.90[.075]	12.12[.477]	6.35[.250]	5.08[.200]	6	622-0630LF	1658527-2
OBSOLETE	NO	YES	1.90[.075]	9.58[.377]	3.81[.150]	2.54[.100]	4	622-0430LF	1658527-1
	STRAIN RELIEF	CENTER POLARIZER	D	C	B	A	NUMBER OF POSITIONS	T&B PART NUMBER (REFERENCE)	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± 0.13[.005]

4 PLC ± -

ANGLES ± -

MATERIAL

FINISH

DWN J. GERACE 17SEP04

CHK C. ROHDE 17SEP04

APVD M. WALMSLEY 17SEP04

NAME

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

DWN J. GERACE 17SEP04

TE Connectivity

CONNECTOR ASSEMBLY, FEMALE SOCKET TRANSITION, 622 SERIES

SIZE CAGE CODE DRAWING NO

RESTRICTED TO

SCALE 10:1 SHEET 1 OF 1 REV D1