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LOC

GP

DIST

00

REVISONS

REVISED

PER

ECO-11-004835

DATE

11MAR11

DWN

RK

APVD

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

0.89

[.035]

0.81

[.032]

30°

3.81 MIN (FOR CONNECTORS W/O CENTER POLARIZER)

[.150]

5.08 MIN (FOR CONNECTORS W/ CENTER POLARIZER)

[.200]

0.64±0.03 SQUARE POST

[.025±.001]

MAX HEIGHT 6.40

[.252]

POST LAYOUT

7.62 MIN

[.300]

A±0.05

[.002]

2.54±0.05

[.100±.002]

2.54±0.05

[.100±.002]

ELECTRICAL PROPERTIES

CURRENT RATING

1 AMP

INSULATION RESISTANCE

>1 x 10⁹ OHMS @ 500 VDC

DWV

>500 VRMS AT SEA LEVEL

ENVIRONMENTAL PROPERTIES

TEMPERATURE RATING

-55°C TO 125°C

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.

6. 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.

AFTER TERMINATION

16.59

[.653]

14.14

[.557]

C

14.10±0.20

[.555±.008]

△ 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

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NAME

CONNECTOR ASSEMBLY, FEMALE SOCKET TRANSITION, 622 SERIES

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± 0.13[.005]

4 PLC ± -

ANGLES ± -

MATERIAL

FINISH

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

SCALE

10:1

SHEET

1

OF

1

REV

D1

4805 (3/11)