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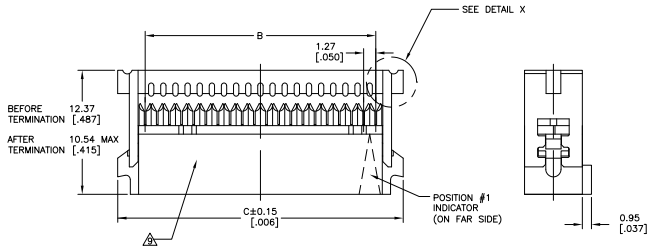
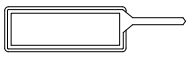
CAT	DIST
GP	00

REVISIONS

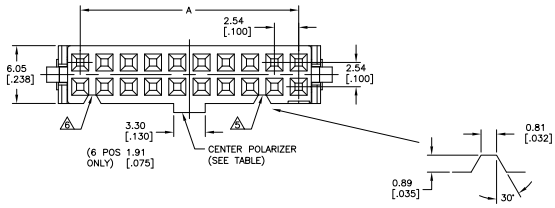
P	LTR	DESCRIPTION	DATE	DRN	APVD
	E1	REVISED PER ECO-11-004835	11MAR11	RK	HMR

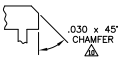




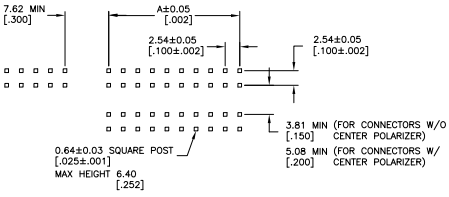
POLARIZING KEY
TE CONNECTIVITY PART NUMBER: 1-1437023-2
T&B PART NUMBER (REF): 609-0000
PURCHASE SEPARATELY

1. 20 POSITION CONNECTOR ASSEMBLY SHOWN.
2. MOLDED PARTS: THERMOPLASTIC, UL94V-0 RATED, COLOR BLUE. CONTACTS: BERYLLIUM COPPER.
3. CONTACTS: 0.00076[.000030] MIN GOLD ON MATING AREA, 0.00254-0.00508[.000100-.000200] TIN ON TERMINATION END, ALL OVER 0.00127[.000050] MIN NICKEL ON ENTIRE CONTACT.
4. CONTACTS: 0.00127[.000050] MIN GOLD ON MATING AREA, 0.00254-0.00508[.000100-.000200] TIN ON TERMINATION END, ALL OVER 0.00127[.000050] MIN NICKEL ON ENTIRE CONTACT.
5. POLARIZER FEATURE DOES NOT EXIST ON POSITION #1 END FOR 14 POSITION AND SMALLER ASSEMBLIES.
6. POLARIZER FEATURE DOES NOT EXIST ON THIS END FOR 6 POSITION ASSEMBLY.
7. FOR TERMINATION OF 28 OR 30 AWG STRANDED PVC INSULATED FLAT RIBBON CABLE.
8. STRAIN RELIEF PACKAGED SEPARATELY AND SHIPPED WITH ASSEMBLY.
9. DATE CODE STAMPED ON THIS SIDE OF CONNECTOR. 6 POSITION CONNECTORS EXCLUDED.
10. ALTERNATE COVER END APPLES TO INDICATED NUMBERS.

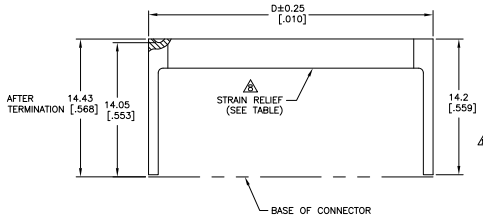




DETAIL X
SCALE 5:1



POST LAYOUT



STRAIN RELIEF	CENTER POLARIZER	CONTACT FINISH	D	C	B	A	NUMBER OF POSITIONS	T&B PART NUMBER (REFERENCE)	PART NUMBER
OBSOLETE	YES	YES	85.65[3.372]	85.75[3.376]	80.01[3.150]	78.74[3.100]	64	609-6441LF	4-1658526-5
OBSOLETE	NO	YES	–	85.75[3.376]	80.01[3.150]	78.74[3.100]	64	609-6430LF	4-1658526-4
	YES	YES	67.87[2.672]	67.97[2.676]	62.23[2.450]	60.96[2.400]	50	609-5041LF	2-1658526-4
	NO	YES	–	67.97[2.676]	62.23[2.450]	60.96[2.400]	50	609-5030LF	2-1658526-3
	YES	NO	67.87[2.672]	67.97[2.676]	62.23[2.450]	60.96[2.400]	50	609-5001MLF	2-1658526-2
	NO	NO	–	67.97[2.676]	62.23[2.450]	60.96[2.400]	50	609-5000MLF	4-1658526-3
	YES	YES	55.17[2.172]	55.27[2.176]	49.53[1.950]	48.26[1.900]	40	609-4041LF	2-1658526-1
	NO	YES	–	55.27[2.176]	49.53[1.950]	48.26[1.900]	40	609-4030LF	2-1658526-0
OBSOLETE	YES	NO	55.17[2.172]	55.27[2.176]	49.53[1.950]	48.26[1.900]	40	609-4001MLF	4-1658526-2
	NO	NO	–	55.27[2.176]	49.53[1.950]	48.26[1.900]	40	609-4000MLF	4-1658526-1
	YES	YES	50.09[1.972]	50.19[1.976]	44.45[1.750]	43.18[1.700]	36	609-3641LF	4-1658526-0
	NO	YES	–	50.19[1.976]	44.45[1.750]	43.18[1.700]	36	609-3630LF	3-1658526-8
	YES	YES	47.55[1.872]	47.65[1.876]	41.91[1.650]	40.64[1.600]	34	609-3441LF	1-1658526-9
	NO	YES	–	47.65[1.876]	41.91[1.650]	40.64[1.600]	34	609-3430LF	1-1658526-8
OBSOLETE	YES	NO	47.55[1.872]	47.65[1.876]	41.91[1.650]	40.64[1.600]	34	609-3401MLF	3-1658526-7
OBSOLETE	NO	NO	–	47.65[1.876]	41.91[1.650]	40.64[1.600]	34	609-3400MLF	1-1658526-7
	YES	YES	37.39[1.472]	37.49[1.476]	31.75[1.250]	30.48[1.200]	26	609-2641LF	1-1658526-6
	NO	YES	–	37.49[1.476]	31.75[1.250]	30.48[1.200]	26	609-2630LF	1-1658526-5
OBSOLETE	YES	NO	37.39[1.472]	37.49[1.476]	31.75[1.250]	30.48[1.200]	26	609-2601MLF	3-1658526-6
	NO	NO	–	37.49[1.476]	31.75[1.250]	30.48[1.200]	26	609-2600MLF	3-1658526-5
OBSOLETE	YES	YES	34.85[1.372]	34.95[1.376]	29.21[1.150]	27.94[1.100]	24	609-2441LF	3-1658526-4
	NO	YES	–	34.95[1.376]	29.21[1.150]	27.94[1.100]	24	609-2430LF	1-1658526-4
OBSOLETE	NO	NO	–	34.95[1.376]	29.21[1.150]	27.94[1.100]	24	609-2400MLF	3-1658526-3
	YES	YES	29.77[1.172]	29.87[1.176]	24.13[.950]	22.86[.900]	20	609-2041LF	1-1658526-3
	NO	YES	–	29.87[1.176]	24.13[.950]	22.86[.900]	20	609-2030LF	1-1658526-2
OBSOLETE	YES	NO	29.77[1.172]	29.87[1.176]	24.13[.950]	22.86[.900]	20	609-2001MLF	3-1658526-2
	NO	NO	–	29.87[1.176]	24.13[.950]	22.86[.900]	20	609-2000MLF	3-1658526-0
	NO	NO	–	29.87[1.176]	24.13[.950]	22.86[.900]	20	609-2000MP005LF	3-1658526-1
	YES	YES	24.69[.972]	24.79[.976]	19.05[.750]	17.78[.700]	16	609-1641LF	1-1658526-1
	NO	YES	–	24.79[.976]	19.05[.750]	17.78[.700]	16	609-1630LF	2-1658526-9
	YES	NO	24.69[.972]	24.79[.976]	19.05[.750]	17.78[.700]	16	609-1601MLF	1-1658526-0
OBSOLETE	NO	NO	–	24.79[.976]	19.05[.750]	17.78[.700]	16	609-1600MLF	2-1658526-8
	YES	YES	22.15[.872]	22.25[.876]	16.51[.650]	15.24[.600]	14	609-1441LF	1658526-9
	NO	YES	–	22.25[.876]	16.51[.650]	15.24[.600]	14	609-1430LF	1658526-8
OBSOLETE	YES	NO	22.15[.872]	22.25[.876]	16.51[.650]	15.24[.600]	14	609-1401MLF	1658526-7
OBSOLETE	NO	NO	–	22.25[.876]	16.51[.650]	15.24[.600]	14	609-1400MLF	1658526-6
	YES	YES	17.07[.672]	17.17[.676]	11.43[.450]	10.16[.400]	10	609-1041LF	1658526-5
	NO	YES	–	17.17[.676]	11.43[.450]	10.16[.400]	10	609-1030LF	1658526-4
OBSOLETE	YES	NO	17.07[.672]	17.17[.676]	11.43[.450]	10.16[.400]	10	609-1001MLF	2-1658526-7
	NO	NO	–	17.17[.676]	11.43[.450]	10.16[.400]	10	609-1000MLF	1658526-3
	YES	YES	11.99[.472]	12.09[.476]	6.35[.250]	5.08[.200]	6	609-0641LF	1658526-2
	NO	YES	–	12.09[.476]	6.35[.250]	5.08[.200]	6	609-0630LF	1658526-1
OBSOLETE	YES	NO	11.99[.472]	12.09[.476]	6.35[.250]	5.08[.200]	6	609-0601MLF	2-1658526-6
	NO	NO	–	12.09[.476]	6.35[.250]	5.08[.200]	6	609-0600MLF	2-1658526-5

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

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm[INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED: .X PLC ± – .XX PLC ± – .XXX PLC ± – .XXXX PLC ± – ANGLES ± – ± .4°

FINISH: SEE TABLE

MATERIAL: 9

DRN J.GERACE 30SEP03
CHK R.BOYDE 30SEP03
APVD M.WALMSLEY 30SEP03
PRODUCT SPEC –
APPLICATION SPEC –
WEIGHT –
CUSTOMER DRAWING

TE Connectivity

NAME: CONNECTOR ASSEMBLY, FEMALE SOCKET TRANSITION

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-1658526	–

SCALE 10:1 SHEET 1 OF 1 REV E1

4805 (3/11)

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