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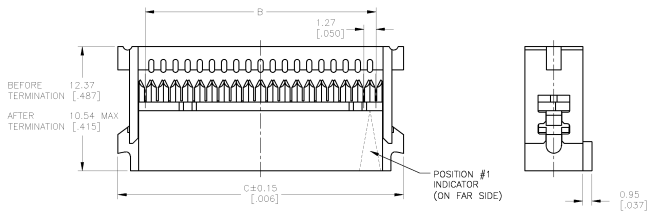
JOB	SHT
GP	00

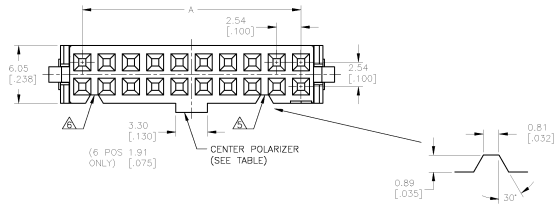
REVISIONS

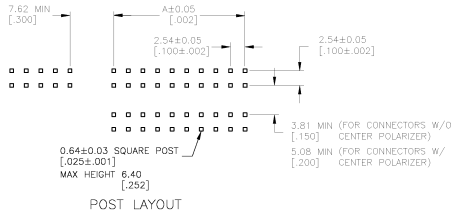
P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	REVISED PER EC 0513-0117-05	18APR05	SW	JG



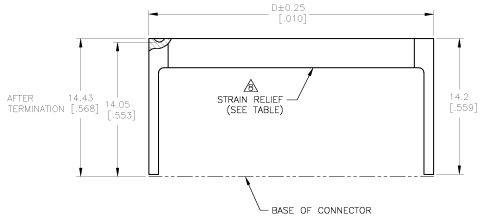
POLARIZING KEY
TYCO PART NUMBER: 1-1437023-2
T&B PART NUMBER (REF): 609-0000
PURCHASE SEPARATELY

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.





POST LAYOUT



STRAIN RELIEF	CENTER POLARIZER	CONTACT FINISH	D	C	B	A	NUMBER OF POSITIONS	T&B PART NUMBER (REFERENCE)	TYCO PART NUMBER
YES	YES	3	85.65[3.372]	85.75[3.376]	80.01[3.150]	78.74[3.100]	64	609-6441LF	4-1658526-5
NO	YES	3	–	85.75[3.376]	80.01[3.150]	78.74[3.100]	64	609-6430LF	4-1658526-4
YES	YES	3	67.87[2.672]	67.97[2.676]	62.23[2.450]	60.96[2.400]	50	609-5041LF	2-1658526-4
NO	YES	3	–	67.97[2.676]	62.23[2.450]	60.96[2.400]	50	609-5030LF	2-1658526-3
YES	NO	3	67.87[2.672]	67.97[2.676]	62.23[2.450]	60.96[2.400]	50	609-5001MLF	2-1658526-2
NO	NO	3	–	67.97[2.676]	62.23[2.450]	60.96[2.400]	50	609-5000MLF	4-1658526-3
YES	YES	3	55.17[2.172]	55.27[2.176]	49.53[1.950]	48.26[1.900]	40	609-4041LF	2-1658526-1
NO	YES	3	–	55.27[2.176]	49.53[1.950]	48.26[1.900]	40	609-4030LF	2-1658526-0
YES	NO	3	55.17[2.172]	55.27[2.176]	49.53[1.950]	48.26[1.900]	40	609-4001MLF	4-1658526-2
NO	NO	3	–	55.27[2.176]	49.53[1.950]	48.26[1.900]	40	609-4000MLF	4-1658526-1
YES	YES	3	50.09[1.972]	50.19[1.976]	44.45[1.750]	43.18[1.700]	36	609-3641LF	4-1658526-0
NO	YES	3	–	50.19[1.976]	44.45[1.750]	43.18[1.700]	36	609-3630LF	3-1658526-8
YES	YES	3	47.55[1.872]	47.65[1.876]	41.91[1.650]	40.64[1.600]	34	609-3441LF	1-1658526-9
NO	YES	3	–	47.65[1.876]	41.91[1.650]	40.64[1.600]	34	609-3430LF	1-1658526-8
YES	NO	3	47.55[1.872]	47.65[1.876]	41.91[1.650]	40.64[1.600]	34	609-3401MLF	3-1658526-7
NO	NO	3	–	47.65[1.876]	41.91[1.650]	40.64[1.600]	34	609-3400MLF	1-1658526-7
YES	YES	3	37.39[1.472]	37.49[1.476]	31.75[1.250]	30.48[1.200]	26	609-2641LF	1-1658526-6
NO	YES	3	–	37.49[1.476]	31.75[1.250]	30.48[1.200]	26	609-2630LF	1-1658526-5
YES	NO	3	37.39[1.472]	37.49[1.476]	31.75[1.250]	30.48[1.200]	26	609-2601MLF	3-1658526-6
NO	NO	3	–	37.49[1.476]	31.75[1.250]	30.48[1.200]	26	609-2600MLF	3-1658526-5
YES	YES	3	34.85[1.372]	34.95[1.376]	29.21[1.150]	27.94[1.100]	24	609-2441LF	3-1658526-4
NO	YES	3	–	34.95[1.376]	29.21[1.150]	27.94[1.100]	24	609-2430LF	1-1658526-4
NO	NO	3	–	34.95[1.376]	29.21[1.150]	27.94[1.100]	24	609-2400MLF	3-1658526-3
YES	YES	3	29.77[1.172]	29.87[1.176]	24.13[.950]	22.86[.900]	20	609-2041LF	1-1658526-3
NO	YES	3	–	29.87[1.176]	24.13[.950]	22.86[.900]	20	609-2030LF	1-1658526-2
YES	NO	3	29.77[1.172]	29.87[1.176]	24.13[.950]	22.86[.900]	20	609-2001MLF	3-1658526-2
NO	NO	3	–	29.87[1.176]	24.13[.950]	22.86[.900]	20	609-2000MLF	3-1658526-0
NO	NO	3	–	29.87[1.176]	24.13[.950]	22.86[.900]	20	609-2000MPO05LF	3-1658526-1
YES	YES	3	24.69[.972]	24.79[.976]	19.05[.750]	17.78[.700]	16	609-1641LF	1-1658526-1
NO	YES	3	–	24.79[.976]	19.05[.750]	17.78[.700]	16	609-1630LF	2-1658526-9
YES	NO	3	24.69[.972]	24.79[.976]	19.05[.750]	17.78[.700]	16	609-1601MLF	1-1658526-0
NO	NO	3	–	24.79[.976]	19.05[.750]	17.78[.700]	16	609-1600MLF	2-1658526-8
YES	YES	3	22.15[.872]	22.25[.876]	16.51[.650]	15.24[.600]	14	609-1441LF	1658526-9
NO	YES	3	–	22.25[.876]	16.51[.650]	15.24[.600]	14	609-1430LF	1658526-8
YES	NO	3	22.15[.872]	22.25[.876]	16.51[.650]	15.24[.600]	14	609-1401MLF	1658526-7
NO	NO	3	–	22.25[.876]	16.51[.650]	15.24[.600]	14	609-1400MLF	1658526-6
YES	YES	3	17.07[.672]	17.17[.676]	11.43[.450]	10.16[.400]	10	609-1041LF	1658526-5
NO	YES	3	–	17.17[.676]	11.43[.450]	10.16[.400]	10	609-1030LF	1658526-4
YES	NO	3	17.07[.672]	17.17[.676]	11.43[.450]	10.16[.400]	10	609-1001MLF	2-1658526-7
NO	NO	3	–	17.17[.676]	11.43[.450]	10.16[.400]	10	609-1000MLF	1658526-3
YES	YES	3	11.99[.472]	12.09[.476]	6.35[.250]	5.08[.200]	6	609-0641LF	1658526-2
NO	YES	3	–	12.09[.476]	6.35[.250]	5.08[.200]	6	609-0630LF	1658526-1
YES	NO	3	11.99[.472]	12.09[.476]	6.35[.250]	5.08[.200]	6	609-0601MLF	2-1658526-6
NO	NO	3	–	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

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DIMENSIONS: mm[INCHES]

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

FINISH: SEE TABLE

MATERIAL: 3

DRN	J.GERACE 30SEP03
CHK	— 30SEP03
APVD	M.RICHOE 30SEP03
	M.MALINSLEY
PRODUCT SPEC	—
APPLICATION SPEC	—
WEIGHT	—

CUSTOMER DRAWING

Tyco Electronics Corporation
Harrisburg, Pa 17105-3608

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 B

AMP 4805 REV 31MAR2000

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