



- 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] BRIGHT TIN LEAD ON TERMINATION END, ALL OVER 0.00127[.000050] MIN NICKEL ON ENTIRE CONTACT.
- CONTACTS: 0.00127[.000050] MIN GOLD ON MATING AREA, 0.00254-0.00508[.000100-.000200] BRIGHT TIN LEAD 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 AND SMALLER ASSEMBLIES.
- POLARIZER FEATURE DOES NOT EXIST ON THIS END FOR 6 POSITION ASSEMBLY.
- FOR TERMINATION OF 28 OR 30 AWG STRANDED PVC INSULATED FLAT RIBBON CABLE.
- STRAIN RELIEF PACKAGED SEPARATELY AND SHIPPED WITH ASSEMBLY.

| | | | | | | | | | |
|-----|-----|---|--------------|--------------|--------------|--------------|----|---------------|-------------|
| YES | YES | 3 | 85.65[3.372] | 85.75[3.376] | 80.01[3.150] | 78.74[3.100] | 64 | 609-6441 | 1-1437022-5 |
| NO | YES | 3 | - | 85.75[3.376] | 80.01[3.150] | 78.74[3.100] | 64 | 609-6430 | 1-1437022-2 |
| YES | YES | 3 | 67.87[2.672] | 67.97[2.676] | 62.23[2.450] | 60.96[2.400] | 50 | 609-5041 | 8-1437021-3 |
| NO | YES | 3 | - | 67.97[2.676] | 62.23[2.450] | 60.96[2.400] | 50 | 609-5030 | 7-1437021-4 |
| YES | NO | 3 | 67.87[2.672] | 67.97[2.676] | 62.23[2.450] | 60.96[2.400] | 50 | 609-5001M | 7-1437021-1 |
| NO | NO | 3 | - | 67.97[2.676] | 62.23[2.450] | 60.96[2.400] | 50 | 609-5000M | 6-1437021-8 |
| YES | YES | 3 | 55.17[2.172] | 55.27[2.176] | 49.53[1.950] | 48.26[1.900] | 40 | 609-4041 | 5-1437021-7 |
| NO | YES | 3 | - | 55.27[2.176] | 49.53[1.950] | 48.26[1.900] | 40 | 609-4030 | 5-1437021-0 |
| YES | NO | 3 | 55.17[2.172] | 55.27[2.176] | 49.53[1.950] | 48.26[1.900] | 40 | 609-4001M | 4-1437021-7 |
| NO | NO | 3 | - | 55.27[2.176] | 49.53[1.950] | 48.26[1.900] | 40 | 609-4000M | 4-1437021-4 |
| YES | YES | 3 | 50.09[1.972] | 50.19[1.976] | 44.45[1.750] | 43.18[1.700] | 36 | 609-3641 | 4-1437021-2 |
| NO | YES | 3 | - | 50.19[1.976] | 44.45[1.750] | 43.18[1.700] | 36 | 609-3630 | 4-1437021-0 |
| YES | YES | 3 | 47.55[1.872] | 47.65[1.876] | 41.91[1.650] | 40.64[1.600] | 34 | 609-3441 | 3-1437021-4 |
| NO | YES | 3 | - | 47.65[1.876] | 41.91[1.650] | 40.64[1.600] | 34 | 609-3430 | 2-1437021-6 |
| YES | NO | 3 | 47.55[1.872] | 47.65[1.876] | 41.91[1.650] | 40.64[1.600] | 34 | 609-3401M | 2-1437021-2 |
| NO | NO | 3 | - | 47.65[1.876] | 41.91[1.650] | 40.64[1.600] | 34 | 609-3400M | 1-1437021-9 |
| YES | YES | 3 | 37.39[1.472] | 37.49[1.476] | 31.75[1.250] | 30.48[1.200] | 26 | 609-2641 | 1-1437021-4 |
| NO | YES | 3 | - | 37.49[1.476] | 31.75[1.250] | 30.48[1.200] | 26 | 609-2630 | 1437021-5 |
| YES | NO | 3 | 37.39[1.472] | 37.49[1.476] | 31.75[1.250] | 30.48[1.200] | 26 | 609-2601M | 1437021-2 |
| NO | NO | 3 | - | 37.49[1.476] | 31.75[1.250] | 30.48[1.200] | 26 | 609-2600M | 9-1437020-8 |
| YES | YES | 3 | 34.85[1.372] | 34.95[1.376] | 29.21[1.150] | 27.94[1.100] | 24 | 609-2441 | 9-1437020-6 |
| NO | YES | 3 | - | 34.95[1.376] | 29.21[1.150] | 27.94[1.100] | 24 | 609-2430 | 9-1437020-3 |
| NO | NO | 3 | - | 34.95[1.376] | 29.21[1.150] | 27.94[1.100] | 24 | 609-2400M | 9-1437020-1 |
| YES | YES | 3 | 29.77[1.172] | 29.87[1.176] | 24.13[.950] | 22.86[.900] | 20 | 609-2041 | 8-1437020-8 |
| NO | YES | 3 | - | 29.87[1.176] | 24.13[.950] | 22.86[.900] | 20 | 609-2030 | 7-1437020-9 |
| YES | NO | 3 | 29.77[1.172] | 29.87[1.176] | 24.13[.950] | 22.86[.900] | 20 | 609-2001M | 7-1437020-6 |
| NO | NO | 3 | - | 29.87[1.176] | 24.13[.950] | 22.86[.900] | 20 | 609-2000M | 7-1437020-2 |
| NO | NO | 4 | - | 29.87[1.176] | 24.13[.950] | 22.86[.900] | 20 | 609-2000MP005 | 7-1437020-3 |
| YES | YES | 3 | 24.69[.972] | 24.79[.976] | 19.05[.750] | 17.78[.700] | 16 | 609-1641 | 6-1437020-8 |
| NO | YES | 3 | - | 24.79[.976] | 19.05[.750] | 17.78[.700] | 16 | 609-1630 | 6-1437020-1 |
| YES | NO | 3 | 24.69[.972] | 24.79[.976] | 19.05[.750] | 17.78[.700] | 16 | 609-1601M | 5-1437020-9 |
| NO | NO | 3 | - | 24.79[.976] | 19.05[.750] | 17.78[.700] | 16 | 609-1600M | 5-1437020-6 |
| YES | YES | 3 | 22.15[.872] | 22.25[.876] | 16.51[.650] | 15.24[.600] | 14 | 609-1441 | 5-1437020-2 |
| NO | YES | 3 | - | 22.25[.876] | 16.51[.650] | 15.24[.600] | 14 | 609-1430 | 4-1437020-6 |
| YES | NO | 3 | 22.15[.872] | 22.25[.876] | 16.51[.650] | 15.24[.600] | 14 | 609-1401M | 4-1437020-4 |
| NO | NO | 3 | - | 22.25[.876] | 16.51[.650] | 15.24[.600] | 14 | 609-1400M | 4-1437020-2 |
| YES | YES | 3 | 17.70[.672] | 17.17[.676] | 11.43[.450] | 10.16[.400] | 10 | 609-1041 | 3-1437020-9 |
| NO | YES | 3 | - | 17.17[.676] | 11.43[.450] | 10.16[.400] | 10 | 609-1030 | 3-1437020-0 |
| YES | NO | 3 | 17.70[.672] | 17.17[.676] | 11.43[.450] | 10.16[.400] | 10 | 609-1001M | 2-1437020-7 |
| NO | NO | 3 | - | 17.17[.676] | 11.43[.450] | 10.16[.400] | 10 | 609-1000M | 2-1437020-4 |
| YES | YES | 3 | 11.99[.472] | 12.09[.476] | 6.35[.250] | 5.08[.200] | 6 | 609-0641 | 2-1437020-2 |
| NO | YES | 3 | - | 12.09[.476] | 6.35[.250] | 5.08[.200] | 6 | 609-0630 | 2-1437020-0 |
| YES | NO | 3 | 11.99[.472] | 12.09[.476] | 6.35[.250] | 5.08[.200] | 6 | 609-0601M | 1-1437020-9 |
| NO | NO | 3 | - | 12.09[.476] | 6.35[.250] | 5.08[.200] | 6 | 609-0600M | 1-1437020-8 |

| 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: | DIN J. GERACE 19AUG04 | 19AUG04 | tyco | Tyco Electronics Corporation |
| 0 PLC ± - | 1 PLC ± - | CIK C. ROHDE | 19AUG04 | Electronics | Harrisburg, Pa 17105-3608 |
| 2 PLC ± - | 3 PLC ± 0.13[.005] | APVD M. WALMSLEY 19AUG04 | | | |
| 4 PLC ± - | ANGLES ± - | PRODUCT SPEC | | | |
| MATERIAL | FINISH | APPLICATION SPEC | | | |
| | SEE TABLE | WEIGHT | | | |
| | | CUSTOMER DRAWING | | | |

CONNECTOR ASSEMBLY, FEMALE SOCKET TRANSITION

SIZE: A1 CASE CODE: 9-1437021-4 DRAWING NO: 00779

SCALE: 10:1 SHEET: 1 OF 1 REV: 0