



DETAIL X SCALE 5:1

- 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 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] TIN 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.
- DATE CODE STAMPED ON THIS SIDE OF CONNECTOR. 6 POSITION CONNECTORS EXCLUDED.
- ALTERNATE COVER END APPLIES TO INDICATED NUMBERS.

| | | | | | | | | | | |
|----------|-----|-----|---|--------------|--------------|--------------|--------------|----|-----------------|-------------|
| OBSOLETE | 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 |
| OBSOLETE | 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 |
| OBSOLETE | 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 |
| 10 | 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 |
| 10 | 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 |
| OBSOLETE | 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 |
| OBSOLETE | 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 |
| OBSOLETE | 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 |
| OBSOLETE | 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 |
| OBSOLETE | NO | YES | 3 | - | 34.95[1.376] | 29.21[1.150] | 27.94[1.100] | 24 | 609-2430LF | 1-1658526-4 |
| OBSOLETE | 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 |
| OBSOLETE | 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 | 4 | - | 29.87[1.176] | 24.13[.950] | 22.86[.900] | 20 | 609-2000MP005LF | 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 |
| OBSOLETE | 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 |
| OBSOLETE | YES | NO | 3 | 22.15[.872] | 22.25[.876] | 16.51[.650] | 15.24[.600] | 14 | 609-1401MLF | 1658526-7 |
| OBSOLETE | 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 |
| OBSOLETE | 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 |
| 10 | YES | YES | 3 | 11.99[.472] | 12.09[.476] | 6.35[.250] | 5.08[.200] | 6 | 609-0641LF | 1658526-2 |
| 10 | NO | YES | 3 | - | 12.09[.476] | 6.35[.250] | 5.08[.200] | 6 | 609-0630LF | 1658526-1 |
| OBSOLETE | YES | NO | 3 | 11.99[.472] | 12.09[.476] | 6.35[.250] | 5.08[.200] | 6 | 609-0601MLF | 2-1658526-6 |
| 10 | 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 |

THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2009.

STE TE Connectivity

CONNECTOR ASSEMBLY, FEMALE SOCKET TRANSITION

SIZE: A1, WEIGHT: 1.00g, SCALE: 10:1, SHEET: 1 OF 1

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