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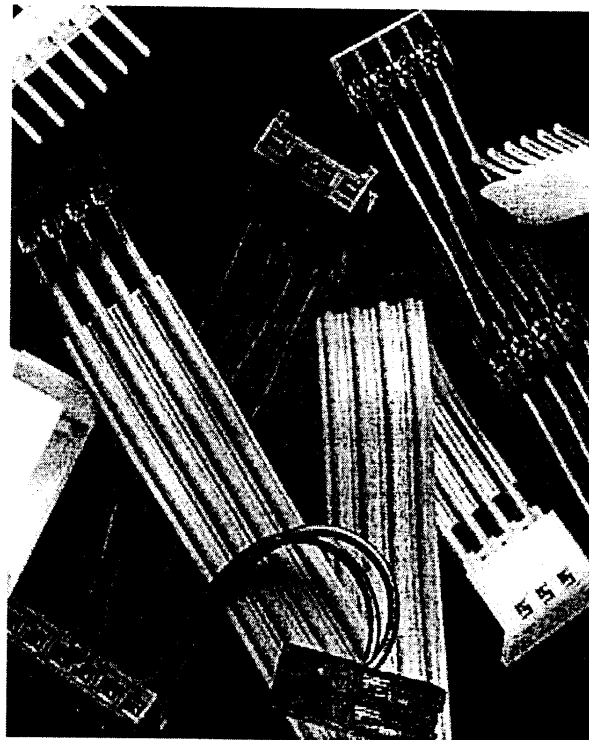
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General Information



.100[2.54] Centerline MTA100 IDC Connectors and Headers



Product Facts

- Connectors and headers for 2 through 28 positions; wire sizes of 22, 24, 26, and 28 AWG [0.40.08] mm²
- WiretoPost Connectors preloaded with dual beam contacts
- Connectors and headers are endtoend stackable
- Connector styles include both closed end and feedthru connectors with locking ramps, with and without polarizing tabs
- Connectors preloaded with IDC contact
- All contacts are slotted for insulation displacement (IDC) terminal technique
- Contacts are lubricated to prevent fretting corrosion
- Benefits derived from the MTA100 system include increased quality and ease of handling such as
 - One step assembly
 - No wire stripping
 - No contact damage
 - Reduced wiring errors

- Simpler tooling
- Simple maintenance and repair
- Recognized under the Component Program of Underwriters Laboratories

Inc., File No. E28476 ® 

- Certified by Canadian Standards Association File No. LR7189



Description

MTA100 connectors accept discrete and ribbon cable wire sizes ranging from 2228 AWG [0.40.08 mm²] with maximum insulation outside diameter of .060 [1.52] for terminating single wire and .050[1.27] for mass termination of wires. Tin plated solid, fused stranded, or stranded (7 and 19 strands) wire with PVC insulation can be used on 2224 AWG [0.40.2 mm²] on MTA100 connectors and 7 stranded wire on 2826 [0.090.15 mm²] MTA100 connectors. Only one wire to be terminated into an IDC contact slot.

The wiretopost connector housing material is flame retardant thermoplastic, either UL94V2 or UL94V0 rated.

A full line of .100[2.54] centerline headers completes the system. Headers are available with straight or right angle posts, in flat, polarized or friction lock styles. Headers are available in 2 through 28 positions.

Performance Data*

Voltage Rating:

250 vac

Current Rating:

4 amp max.

Low-Level Resistance:

5 milliohms max. initial

Dielectric Withstanding Voltage:

750 vac/1 min.

Insulation Resistance:

5000 Megaohms min. initial

Operating Temperature:

55°C to +105°C

Technical Documents

Product Specification:

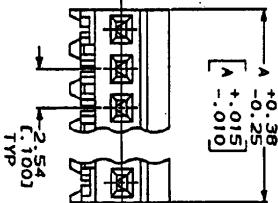
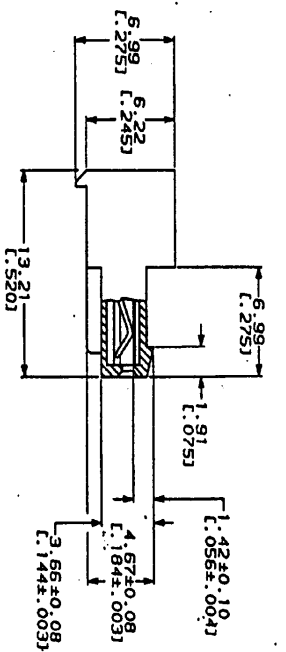
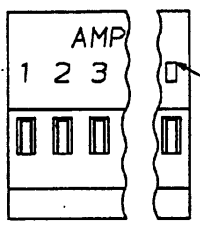
1081050 MTA100 Connectors

Application Specifications:

1141019 MTA100 Connectors

1141031 MTA100 Ribbon Cable Assembly

Need more information?



- △ MATERIAL: CONNECTOR - NYLON UL94V-2 (RED); CONTACTS - 0.361 (0.12) THICK COPPER ALLOY (BRIGHT-TIN 0.00203 (0.00008) MIN THK)
- CONTACTS ACCEPT 22 AWG WIRE WITH 1.52 (L.060) MAX INSULATION DIAMETER.
 - CONTACTS MUST ACCEPT 0.64±0.03 (0.025 ±.001) SQUARE POST AND REMAIN LOCKED IN POSITION.
 - IDENTIFICATION NUMBER FOR LAST CIRCUIT MAY NOT APPEAR ON ALL ASSEMBLIES.
 - DIMENSIONS IN BRACKETS ARE IN INCHES.
 - HOUSING FEATURES ARE CLOSED END WITH LOCKING RAMP.

METRIC

DO NOT SCALE PRINT. DIMENSIONS IN MM (INCHES) TOLERANCES ON: 1. HOLE DIA. 0.13 (0.005) 2. HOLE DIA. 0.13 (0.005) 3. HOLE DIA. 0.13 (0.005) 4. HOLE DIA. 0.13 (0.005) 5. HOLE DIA. 0.13 (0.005) 6. HOLE DIA. 0.13 (0.005) 7. HOLE DIA. 0.13 (0.005) 8. HOLE DIA. 0.13 (0.005) 9. HOLE DIA. 0.13 (0.005) 10. HOLE DIA. 0.13 (0.005) 11. HOLE DIA. 0.13 (0.005) 12. HOLE DIA. 0.13 (0.005) 13. HOLE DIA. 0.13 (0.005) 14. HOLE DIA. 0.13 (0.005) 15. HOLE DIA. 0.13 (0.005) 16. HOLE DIA. 0.13 (0.005) 17. HOLE DIA. 0.13 (0.005) 18. HOLE DIA. 0.13 (0.005) 19. HOLE DIA. 0.13 (0.005) 20. HOLE DIA. 0.13 (0.005) 21. HOLE DIA. 0.13 (0.005) 22. HOLE DIA. 0.13 (0.005) 23. HOLE DIA. 0.13 (0.005) 24. HOLE DIA. 0.13 (0.005) 25. HOLE DIA. 0.13 (0.005) 26. HOLE DIA. 0.13 (0.005) 27. HOLE DIA. 0.13 (0.005) 28. HOLE DIA. 0.13 (0.005) 29. HOLE DIA. 0.13 (0.005) 30. HOLE DIA. 0.13 (0.005) 31. HOLE DIA. 0.13 (0.005) 32. HOLE DIA. 0.13 (0.005) 33. HOLE DIA. 0.13 (0.005) 34. HOLE DIA. 0.13 (0.005) 35. HOLE DIA. 0.13 (0.005) 36. HOLE DIA. 0.13 (0.005) 37. HOLE DIA. 0.13 (0.005) 38. HOLE DIA. 0.13 (0.005) 39. HOLE DIA. 0.13 (0.005) 40. HOLE DIA. 0.13 (0.005) 41. HOLE DIA. 0.13 (0.005) 42. HOLE DIA. 0.13 (0.005) 43. HOLE DIA. 0.13 (0.005) 44. HOLE DIA. 0.13 (0.005) 45. HOLE DIA. 0.13 (0.005) 46. HOLE DIA. 0.13 (0.005) 47. HOLE DIA. 0.13 (0.005) 48. HOLE DIA. 0.13 (0.005) 49. HOLE DIA. 0.13 (0.005) 50. HOLE DIA. 0.13 (0.005) 51. HOLE DIA. 0.13 (0.005) 52. HOLE DIA. 0.13 (0.005) 53. HOLE DIA. 0.13 (0.005) 54. HOLE DIA. 0.13 (0.005) 55. HOLE DIA. 0.13 (0.005) 56. HOLE DIA. 0.13 (0.005) 57. HOLE DIA. 0.13 (0.005) 58. HOLE DIA. 0.13 (0.005) 59. HOLE DIA. 0.13 (0.005) 60. HOLE DIA. 0.13 (0.005) 61. HOLE DIA. 0.13 (0.005) 62. HOLE DIA. 0.13 (0.005) 63. HOLE DIA. 0.13 (0.005) 64. HOLE DIA. 0.13 (0.005) 65. HOLE DIA. 0.13 (0.005) 66. HOLE DIA. 0.13 (0.005) 67. HOLE DIA. 0.13 (0.005) 68. HOLE DIA. 0.13 (0.005) 69. HOLE DIA. 0.13 (0.005) 70. HOLE DIA. 0.13 (0.005) 71. HOLE DIA. 0.13 (0.005) 72. HOLE DIA. 0.13 (0.005) 73. HOLE DIA. 0.13 (0.005) 74. HOLE DIA. 0.13 (0.005) 75. HOLE DIA. 0.13 (0.005) 76. HOLE DIA. 0.13 (0.005) 77. HOLE DIA. 0.13 (0.005) 78. HOLE DIA. 0.13 (0.005) 79. HOLE DIA. 0.13 (0.005) 80. HOLE DIA. 0.13 (0.005) 81. HOLE DIA. 0.13 (0.005) 82. HOLE DIA. 0.13 (0.005) 83. HOLE DIA. 0.13 (0.005) 84. HOLE DIA. 0.13 (0.005) 85. HOLE DIA. 0.13 (0.005) 86. HOLE DIA. 0.13 (0.005) 87. HOLE DIA. 0.13 (0.005) 88. HOLE DIA. 0.13 (0.005) 89. HOLE DIA. 0.13 (0.005) 90. HOLE DIA. 0.13 (0.005) 91. HOLE DIA. 0.13 (0.005) 92. HOLE DIA. 0.13 (0.005) 93. HOLE DIA. 0.13 (0.005) 94. HOLE DIA. 0.13 (0.005) 95. HOLE DIA. 0.13 (0.005) 96. HOLE DIA. 0.13 (0.005) 97. HOLE DIA. 0.13 (0.005) 98. HOLE DIA. 0.13 (0.005) 99. HOLE DIA. 0.13 (0.005) 100. HOLE DIA. 0.13 (0.005)	DATE 4-22-91 BY J. J. J. CHECKED J. J. J. APPROVED J. J. J. PRODUCT SPEC 100-1050 APPLICATION SPEC 114-1019 SCALE 5:1	NAME MTA 100 CONNECTOR ASSEMBLY, 22 AWG, STANDARD	SIZE C CASE CODE 00779 DRAWING NO 640440 SHEET 1 OF 1
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CUSTOMER DRAWING

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