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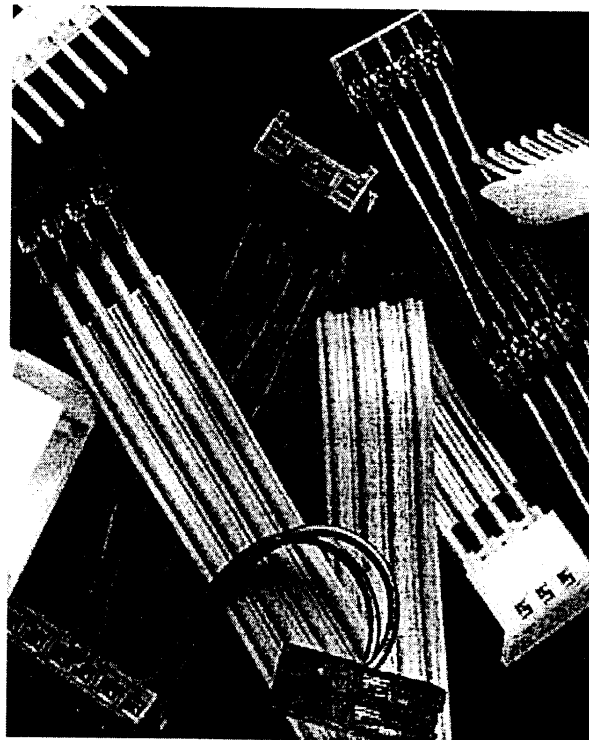
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General Information



.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:

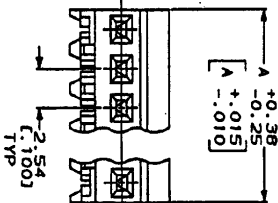
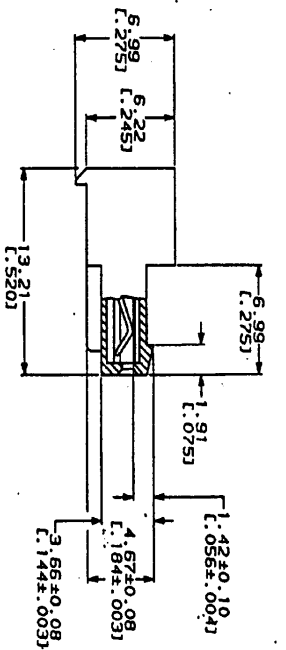
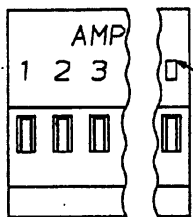
1081050 MTA100 Connectors

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 (0.000080) 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 (L.005) 2. HOLE DIA. ±0.13 (L.005) 3. HOLE DIA. ±0.13 (L.005) 4. HOLE DIA. ±0.13 (L.005) 5. HOLE DIA. ±0.13 (L.005) 6. HOLE DIA. ±0.13 (L.005) 7. HOLE DIA. ±0.13 (L.005) 8. HOLE DIA. ±0.13 (L.005) 9. HOLE DIA. ±0.13 (L.005) 10. HOLE DIA. ±0.13 (L.005) 11. HOLE DIA. ±0.13 (L.005) 12. HOLE DIA. ±0.13 (L.005) 13. HOLE DIA. ±0.13 (L.005) 14. HOLE DIA. ±0.13 (L.005) 15. HOLE DIA. ±0.13 (L.005) 16. HOLE DIA. ±0.13 (L.005) 17. HOLE DIA. ±0.13 (L.005) 18. HOLE DIA. ±0.13 (L.005) 19. HOLE DIA. ±0.13 (L.005) 20. HOLE DIA. ±0.13 (L.005) 21. HOLE DIA. ±0.13 (L.005) 22. HOLE DIA. ±0.13 (L.005) 23. HOLE DIA. ±0.13 (L.005) 24. HOLE DIA. ±0.13 (L.005) 25. HOLE DIA. ±0.13 (L.005) 26. HOLE DIA. ±0.13 (L.005) 27. HOLE DIA. ±0.13 (L.005) 28. HOLE DIA. ±0.13 (L.005) 29. HOLE DIA. ±0.13 (L.005) 30. HOLE DIA. ±0.13 (L.005) 31. HOLE DIA. ±0.13 (L.005) 32. HOLE DIA. ±0.13 (L.005) 33. HOLE DIA. ±0.13 (L.005) 34. HOLE DIA. ±0.13 (L.005) 35. HOLE DIA. ±0.13 (L.005) 36. HOLE DIA. ±0.13 (L.005) 37. HOLE DIA. ±0.13 (L.005) 38. HOLE DIA. ±0.13 (L.005) 39. HOLE DIA. ±0.13 (L.005) 40. HOLE DIA. ±0.13 (L.005) 41. HOLE DIA. ±0.13 (L.005) 42. HOLE DIA. ±0.13 (L.005) 43. HOLE DIA. ±0.13 (L.005) 44. HOLE DIA. ±0.13 (L.005) 45. HOLE DIA. ±0.13 (L.005) 46. HOLE DIA. ±0.13 (L.005) 47. HOLE DIA. ±0.13 (L.005) 48. HOLE DIA. ±0.13 (L.005) 49. HOLE DIA. ±0.13 (L.005) 50. HOLE DIA. ±0.13 (L.005) 51. HOLE DIA. ±0.13 (L.005) 52. HOLE DIA. ±0.13 (L.005) 53. HOLE DIA. ±0.13 (L.005) 54. HOLE DIA. ±0.13 (L.005) 55. HOLE DIA. ±0.13 (L.005) 56. HOLE DIA. ±0.13 (L.005) 57. HOLE DIA. ±0.13 (L.005) 58. HOLE DIA. ±0.13 (L.005) 59. HOLE DIA. ±0.13 (L.005) 60. HOLE DIA. ±0.13 (L.005) 61. HOLE DIA. ±0.13 (L.005) 62. HOLE DIA. ±0.13 (L.005) 63. HOLE DIA. ±0.13 (L.005) 64. HOLE DIA. ±0.13 (L.005) 65. HOLE DIA. ±0.13 (L.005) 66. HOLE DIA. ±0.13 (L.005) 67. HOLE DIA. ±0.13 (L.005) 68. HOLE DIA. ±0.13 (L.005) 69. HOLE DIA. ±0.13 (L.005) 70. HOLE DIA. ±0.13 (L.005) 71. HOLE DIA. ±0.13 (L.005) 72. HOLE DIA. ±0.13 (L.005) 73. HOLE DIA. ±0.13 (L.005) 74. HOLE DIA. ±0.13 (L.005) 75. HOLE DIA. ±0.13 (L.005) 76. HOLE DIA. ±0.13 (L.005) 77. HOLE DIA. ±0.13 (L.005) 78. HOLE DIA. ±0.13 (L.005) 79. HOLE DIA. ±0.13 (L.005) 80. HOLE DIA. ±0.13 (L.005) 81. HOLE DIA. ±0.13 (L.005) 82. HOLE DIA. ±0.13 (L.005) 83. HOLE DIA. ±0.13 (L.005) 84. HOLE DIA. ±0.13 (L.005) 85. HOLE DIA. ±0.13 (L.005) 86. HOLE DIA. ±0.13 (L.005) 87. HOLE DIA. ±0.13 (L.005) 88. HOLE DIA. ±0.13 (L.005) 89. HOLE DIA. ±0.13 (L.005) 90. HOLE DIA. ±0.13 (L.005) 91. HOLE DIA. ±0.13 (L.005) 92. HOLE DIA. ±0.13 (L.005) 93. HOLE DIA. ±0.13 (L.005) 94. HOLE DIA. ±0.13 (L.005) 95. HOLE DIA. ±0.13 (L.005) 96. HOLE DIA. ±0.13 (L.005) 97. HOLE DIA. ±0.13 (L.005) 98. HOLE DIA. ±0.13 (L.005) 99. HOLE DIA. ±0.13 (L.005) 100. HOLE DIA. ±0.13 (L.005)	OR DATE 4-22-91 BY J. M. M. 4-22-91	NAME MTA 100 CONNECTOR ASSEMBLY, 22 AWG, STANDARD	AMP AMP Incorporated Newburgh, NY 11706-3608
FINISH △	PRODUCT SPEC 100-1050	SIZE C 00779	CASE CODE 640440
△	APPLICATION SPEC 114-1019	SCALE 5:1	DRAWING NO 640440
△			SHEET 1 OF 1

CUSTOMER DRAWING

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