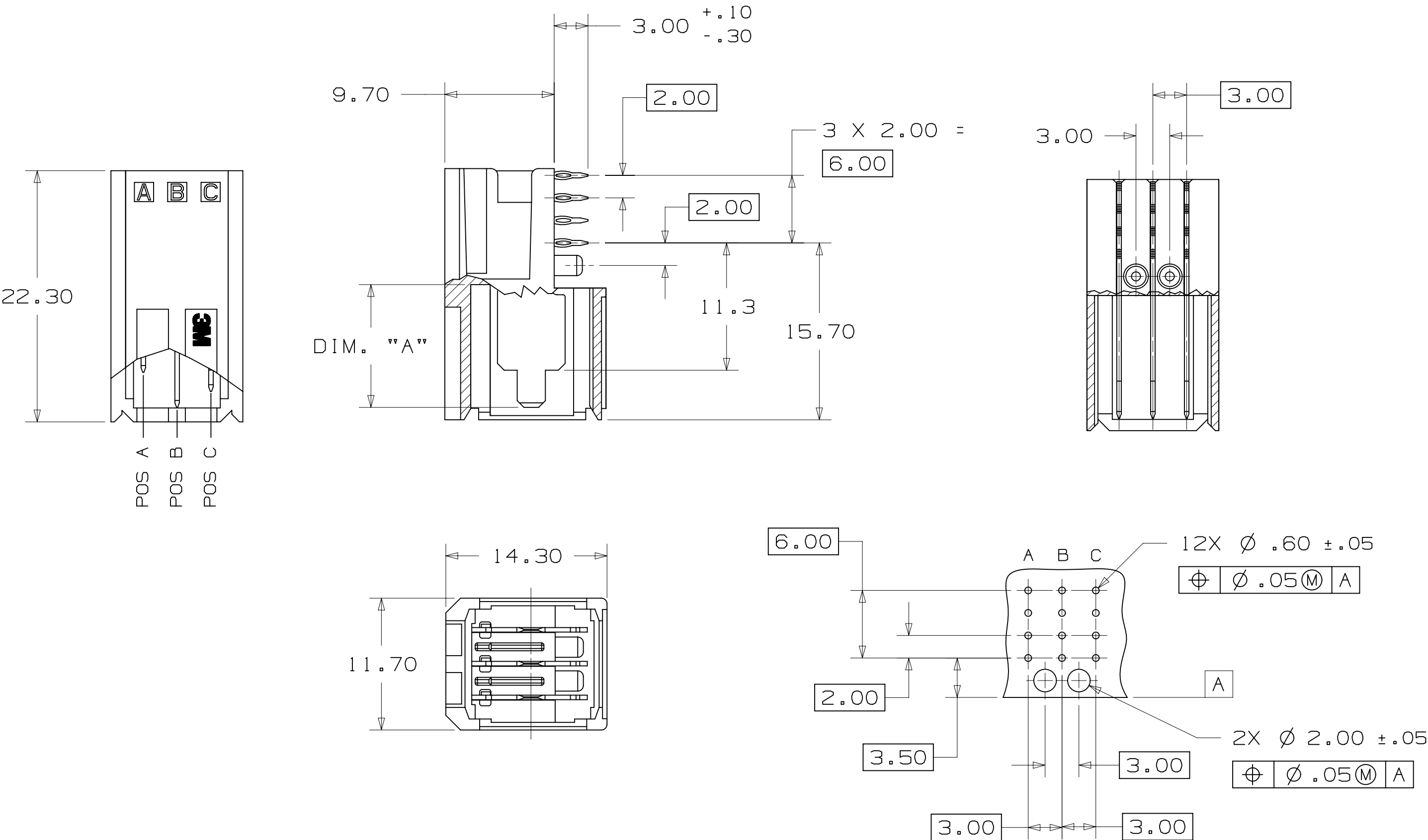


3M<sup>TH</sup> POWER RIGHT ANGLE HEADER MODULE  
FOR HARD METRIC APPLICATIONS



- NOTES
1. MATERIAL:  
INSULATOR: GLASS FILLED THERMOPLASTIC (PBT) UL94V-0  
CONTACTS: COPPER ALLOY.
  2. PLATING -LR:  
CONTACT AREA: .08µm MIN Au OVER .69µm MIN PdNi  
TAIL AREA: 2.54µm MAX MATTE Sn  
UNDERCOAT: 1.27µm MIN Ni.
  3. REGULATORY INFORMATION:  
ROHS COMPLIANT. SEE THE REGULATORY INFORMATION APPENDIX (RIA) IN THE "ROHS COMPLIANCE" SECTION OF WWW.3MCONNECTORS.COM FOR COMPLIANCE INFORMATION (RIA E1 & C1 APPLY)
  4. ELECTRICAL PERFORMANCE:  
TEMPERATURE RANGE: -55° C TO +125° C  
VOLTAGE: 1000 VAC rms  
CURRENT RATING: ALL LINES DRIVERS  
9.0 AMPS @ 20° C  
7.0 AMPS @ 70° C  
4.5 AMPS @ 100° C
  5. IN THE EVENT OF CONFLICT BETWEEN THIS DATA AND THAT CONTAINED IN THE PRODUCT SPECIFICATION, THE PRODUCT SPECIFICATION TAKES PRECEDENT.
  6. PART NUMBER: SEE TABLE
  7. FOR MATING PRODUCT USE:  
HM-PWR-SCK-01-XX POWER SOCKET CONNECTOR.
  8. PCB THICKNESS: 1.40mm MINIMUM.

PCB LAYOUT

| PART DESCRIPTION | BLADE POS. HEIGHT |       |       |
|------------------|-------------------|-------|-------|
|                  | DIM. "A"          |       |       |
|                  | POS A             | POS B | POS C |
| HM-PWR-HDR-01-LR | 10.9              | 10.9  | 10.9  |
| HM-PWR-HDR-02-LR | 9.3               | 10.9  | 9.3   |
| HM-PWR-HDR-03-LR | 9.3               | 10.9  | 7.6   |
| HM-PWR-HDR-04-LR | 9.3               | 7.6   | 9.3   |
| HM-PWR-HDR-05-LR | 10.9              | 9.3   | 7.6   |
| HM-PWR-HDR-06-LR | 9.3               | 9.3   | 7.6   |
| HM-PWR-HDR-07-LR | 7.6               | 7.6   | 10.9  |
| HM-PWR-HDR-08-LR | 7.6               | 9.3   | 10.9  |
| HM-PWR-HDR-09-LR | 10.9              | 9.3   | 10.9  |
| HM-PWR-HDR-10-LR | 7.6               | 7.6   | 7.6   |
| HM-PWR-HDR-11-LR | 10.9              | 9.3   | 9.3   |
| HM-PWR-HDR-12-LR | 9.3               | 7.6   | 10.9  |
| HM-PWR-HDR-13-LR | 10.9              | 9.3   | 9.3   |

3M<sup>TM</sup> ELECTRONIC SOLUTIONS DIVISION  
INTERCONNECT SOLUTIONS  
<http://www.3mconnectors.com>

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|                                 |                            |      |     |                            |       |                   |
|---------------------------------|----------------------------|------|-----|----------------------------|-------|-------------------|
| DESIGN REFERENCE                | NEXT ASSEMBLY              | REV  | ECO | ISSUE DATE AND DESCRIPTION | DRFT  | CHKD              |
| DISTRIBUTION CODES              |                            | DRFT | ML  | DATE JAN 17, 2011          | MFG   | DATE              |
| DIVISION                        |                            | CHKD |     | DATE                       | APPVL | DATE JAN 17, 2011 |
| Interconnect Solutions          | ISD                        |      |     |                            |       |                   |
| DO NOT SCALE DRAWING            | SCALE                      |      |     |                            |       |                   |
| THIRD ANGLE PROJECTION          | TOLERANCES EXCEPT AS NOTED |      |     |                            |       |                   |
| INTERPRET PER ASME Y14.5 - 1994 | INCHES                     |      |     |                            |       |                   |
| MAX SURFACE ROUGHNESS           | MILLIMETERS                |      |     |                            |       |                   |
| ALL SURFACES                    | 0 ±                        |      |     |                            |       |                   |
| MARKED ONLY                     | .0 ± .30                   |      |     |                            |       |                   |
|                                 | .000 ± .20                 |      |     |                            |       |                   |
|                                 | .000 ± .10                 |      |     |                            |       |                   |
|                                 | ANGLES                     |      |     |                            |       |                   |

3M 3M Center St. Paul, MN 55144

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TITLE HM-PWR-HDR-XX-XX, POWER RIGHT ANGLE HEADER MODULE

CAGE NUMBER SIZE DRAWING NO. REV. 78-5100-2381-1 D

MODEL DET. LISTS YES NO SHT 1 OF 1

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