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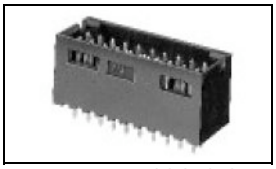
# 5-102618-3 Product Details





**5-102618-3**

TE Internal Number: 5-102618-3

Active

View 3D PDF

## .100 inch AMPMODU Headers

Always EU RoHS/ELV Compliant (Statement of Compliance)

**Product Highlights:**

- Connector
- Header Type = Shrouded
- 10 Positions
- Mating Post Length = 8.08 mm
- Row-to-Row Spacing = 2.54 mm

View all Features

**Quick Links**

- Pricing & Availability
- Search for Tooling
- Product Feature Selector
- Contact Us About This Product

Add to My Part List | Request Sample | Find Similar Products | Buy Product

## Documentation & Additional Information

**Product Drawings:**
- HDR ASSY, MOD II, SHROUDED, 4 SIDES, DBL ROW, VERTIC... (PDF, English)

**Catalog Pages/Data Sheets:**
- AMPMODU_INTERCONNECTION_SYSTEM_SECTION5 (PDF, English)

**Product Specifications:**
- None Available

**Application Specifications:**
- None Available

**Instruction Sheets:**
- None Available

**CAD Files:** (CAD Format & Compression Information)
- 2D Drawing (DXF, Version K)
- 3D Model (IGES, Version K)
- 3D Model (STEP, Version K)

List all Documents

**Additional Information:**
- Product Line Information

**Related Products:**
- Tooling

## Product Features (Please use the Product Drawing for all design activity)

**Product Type Features:**
- Product Type = Connector
- Mount Angle = Vertical
- PCB Mount Retention = Without
- Surface Mount Compatible = No
- Board Standoff = Without
- Mating Connector Lock = With
- Mating Connector Lock Type = Detent Windows
- Post Size (mm [in]) = 0.64 [.025]
- Profile = Standard

**Mechanical Attachment:**
- Mounting Ears = Without
- Panel Mount Retention = Without

**Termination Features:**
- Termination Post Length (mm [in]) = 3.18 [0.125]
- Solder Tail Contact Plating = Tin over Nickel

**Dimensions:**
- Mating Post Length (mm [in]) = 8.08 [0.318]
- [Shrouded] End Dimension (mm [in]) = 1.68 [0.066]

**Body Features:**
- Header Type = Shrouded
- Row-to-Row Spacing (mm [in]) = 2.54 [0.100]
- Selectively Loaded = No
- Mount Type = Printed Circuit Board

**Contact Features:**
- Contact Plating, Mating Area, Material = Gold (15)
- Contact Shape = Square
- Contact Base Material = Phosphor Bronze

**Housing Features:**
- Housing Material = Thermoplastic - GF
- Housing Style = 4-Sided
- Housing Color = Black
- UL Flammability Rating = UL 94V-0

**Configuration Features:**
- Number of Positions = 10
- Number of Rows = 2

**Industry Standards:**
- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Wave solder capable to 240°C
- RoHS/ELV Compliance History = Always was RoHS compliant

**Environmental:**
- Operating Temperature (°C) = -55 – +105

**Conditions for Usage:**
- High Temperature Housing = No

**Operation/Application:**
- High Speed Serial Data Connector = No

**Other:**
- Brand = AMP

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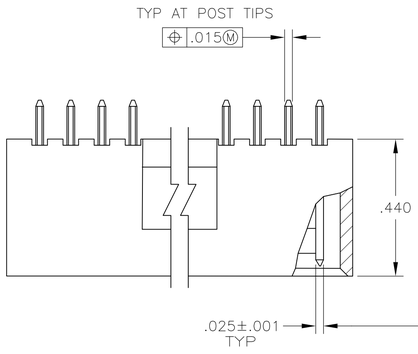
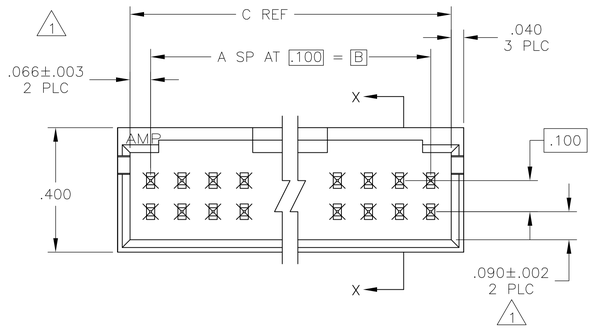
| LOC | DIST |
|---|---|
| AD | 00 |

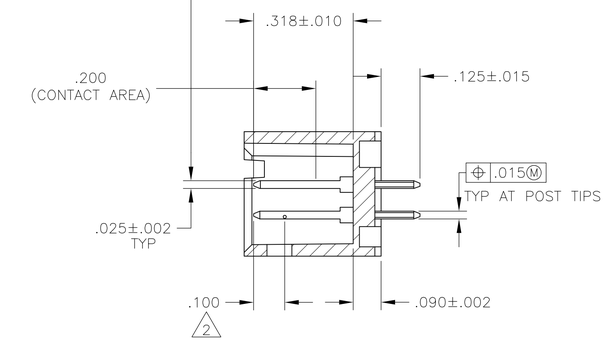
REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | L2 | REVISED PER ECO-11-004587 | 11MAR11 | RK | HMR |

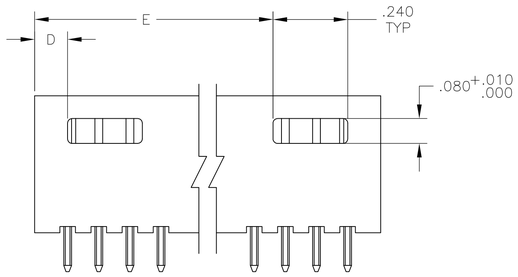
1. THE NOTED DIMENSIONS APPLY AT THE INTERSECTION OF THE POST AND HOUSING
2. POINT OF MEASUREMENT FOR PLATING THICKNESS
3. FINISH: POSTS:.000015 GOLD IN CONTACT AREA, .000100-.000200 MATTE TIN-LEAD ON SOLDER TAIL, ALL OVER .000050 NICKEL
4. FINISH: POSTS:.000015 GOLD IN CONTACT AREA, .000100-.000200 MATTE TIN ON SOLDER TAIL, ALL OVER .000050 NICKEL
5. MATERIALS: HOUSING- FLAME RETARDANT THERMOPLASTIC, COLOR-BLACK
   POSTS- PHOS BRONZE
6. OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

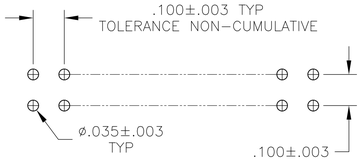



SECT X-X




RECOMENDED HOLE LAYOUT

| | | E | D | C | B | A | NO. OF POSN | ASSEMBLY PART NUMBER |
|---|---|---|---|---|---|---|---|---|
| | 4 | 3.506 | .106 | 3.732 | 3.600 | 36 | 74 | ~~8-102618-5~~ |
| | 4 | 3.406 | .106 | 3.632 | 3.500 | 35 | 72 | ~~8-102618-4~~ |
| 6 OBSOLETE | 4 | 3.306 | .106 | 3.532 | 3.400 | 34 | 70 | ~~8-102618-3~~ |
| | 4 | 3.206 | .106 | 3.432 | 3.300 | 33 | 68 | ~~8-102618-2~~ |
| | 4 | 3.106 | .106 | 3.332 | 3.200 | 32 | 66 | ~~8-102618-1~~ |
| | 4 | 3.006 | .106 | 3.232 | 3.100 | 31 | 64 | ~~8-102618-0~~ |
| | 4 | 2.906 | .106 | 3.132 | 3.000 | 30 | 62 | ~~7-102618-9~~ |
| | 4 | 2.806 | .106 | 3.032 | 2.900 | 29 | 60 | 7-102618-8 |
| | 4 | 2.706 | .106 | 2.932 | 2.800 | 28 | 58 | ~~7-102618-7~~ |
| 6 OBSOLETE | 4 | 2.606 | .106 | 2.832 | 2.700 | 27 | 56 | ~~7-102618-6~~ |
| | 4 | 2.506 | .106 | 2.732 | 2.600 | 26 | 54 | ~~7-102618-5~~ |
| | 4 | 2.406 | .106 | 2.632 | 2.500 | 25 | 52 | ~~7-102618-4~~ |
| | 4 | 2.306 | .106 | 2.532 | 2.400 | 24 | 50 | 7-102618-3 |
| | 4 | 2.206 | .106 | 2.432 | 2.300 | 23 | 48 | ~~7-102618-2~~ |
| 6 OBSOLETE | 4 | 2.106 | .106 | 2.332 | 2.200 | 22 | 46 | ~~7-102618-1~~ |
| | 4 | 2.006 | .106 | 2.232 | 2.100 | 21 | 44 | ~~7-102618-0~~ |
| | 4 | 1.906 | .106 | 2.132 | 2.000 | 20 | 42 | 6-102618-9 |
| | 4 | 1.806 | .106 | 2.032 | 1.900 | 19 | 40 | 6-102618-8 |
| 6 OBSOLETE | 4 | 1.706 | .106 | 1.932 | 1.800 | 18 | 38 | ~~6-102618-7~~ |
| | 4 | 1.606 | .106 | 1.832 | 1.700 | 17 | 36 | ~~6-102618-6~~ |
| | 4 | 1.506 | .106 | 1.732 | 1.600 | 16 | 34 | 6-102618-5 |
| 6 OBSOLETE | 4 | 1.406 | .106 | 1.632 | 1.500 | 15 | 32 | ~~6-102618-4~~ |
| | 4 | 1.306 | .106 | 1.532 | 1.400 | 14 | 30 | 6-102618-3 |
| | 4 | 1.206 | .106 | 1.432 | 1.300 | 13 | 28 | 6-102618-2 |
| | 4 | 1.106 | .106 | 1.332 | 1.200 | 12 | 26 | 6-102618-1 |
| | 4 | 1.006 | .106 | 1.232 | 1.100 | 11 | 24 | 6-102618-0 |
| | 4 | .906 | .106 | 1.132 | 1.000 | 10 | 22 | 5-102618-9 |
| | 4 | .806 | .106 | 1.032 | .900 | 9 | 20 | 5-102618-8 |
| | 4 | —— | .406 | .932 | .800 | 8 | 18 | 5-102618-7 |
| | 4 | —— | .306 | .832 | .700 | 7 | 16 | 5-102618-6 |
| | 4 | —— | .306 | .732 | .600 | 6 | 14 | 5-102618-5 |
| | 4 | —— | .206 | .632 | .500 | 5 | 12 | 5-102618-4 |
| | 4 | —— | .206 | .532 | .400 | 4 | 10 | 5-102618-3 |
| | 4 | —— | .106 | .432 | .300 | 3 | 8 | 5-102618-2 |
| | 4 | —— | .106 | .332 | .200 | 2 | 6 | 5-102618-1 |
| | 3 | 3.506 | .106 | 3.732 | 3.600 | 36 | 74 | ~~3-102618-5~~ |
| | 3 | 3.406 | .106 | 3.632 | 3.500 | 35 | 72 | ~~3-102618-4~~ |
| 6 OBSOLETE | 3 | 3.306 | .106 | 3.532 | 3.400 | 34 | 70 | ~~3-102618-3~~ |
| | 3 | 3.206 | .106 | 3.432 | 3.300 | 33 | 68 | ~~3-102618-2~~ |
| | 3 | 3.106 | .106 | 3.332 | 3.200 | 32 | 66 | ~~3-102618-1~~ |
| | 3 | 3.006 | .106 | 3.232 | 3.100 | 31 | 64 | ~~3-102618-0~~ |
| | 3 | 2.906 | .106 | 3.132 | 3.000 | 30 | 62 | ~~2-102618-9~~ |
| | 3 | 2.806 | .106 | 3.032 | 2.900 | 29 | 60 | 2-102618-8 |
| | 3 | 2.706 | .106 | 2.932 | 2.800 | 28 | 58 | ~~2-102618-7~~ |
| 6 OBSOLETE | 3 | 2.606 | .106 | 2.832 | 2.700 | 27 | 56 | ~~2-102618-6~~ |
| | 3 | 2.506 | .106 | 2.732 | 2.600 | 26 | 54 | ~~2-102618-5~~ |
| | 3 | 2.406 | .106 | 2.632 | 2.500 | 25 | 52 | ~~2-102618-4~~ |
| | 3 | 2.306 | .106 | 2.532 | 2.400 | 24 | 50 | 2-102618-3 |
| | 3 | 2.206 | .106 | 2.432 | 2.300 | 23 | 48 | ~~2-102618-2~~ |
| 6 OBSOLETE | 3 | 2.106 | .106 | 2.332 | 2.200 | 22 | 46 | ~~2-102618-1~~ |
| | 3 | 2.006 | .106 | 2.232 | 2.100 | 21 | 44 | ~~2-102618-0~~ |
| | 3 | 1.906 | .106 | 2.132 | 2.000 | 20 | 42 | ~~1-102618-9~~ |
| | 3 | 1.806 | .106 | 2.032 | 1.900 | 19 | 40 | 1-102618-8 |
| 6 OBSOLETE | 3 | 1.706 | .106 | 1.932 | 1.800 | 18 | 38 | ~~1-102618-7~~ |
| | 3 | 1.606 | .106 | 1.832 | 1.700 | 17 | 36 | ~~1-102618-6~~ |
| | 3 | 1.506 | .106 | 1.732 | 1.600 | 16 | 34 | 1-102618-5 |
| | 3 | 1.406 | .106 | 1.632 | 1.500 | 15 | 32 | 1-102618-4 |
| | 3 | 1.306 | .106 | 1.532 | 1.400 | 14 | 30 | 1-102618-3 |
| | 3 | 1.206 | .106 | 1.432 | 1.300 | 13 | 28 | 1-102618-2 |
| | 3 | 1.106 | .106 | 1.332 | 1.200 | 12 | 26 | 1-102618-1 |
| | 3 | 1.006 | .106 | 1.232 | 1.100 | 11 | 24 | 1-102618-0 |
| 6 SUP BY 5-102618-9 | 3 | .906 | .106 | 1.132 | 1.000 | 10 | 22 | ~~102618-9~~ |
| | 3 | .806 | .106 | 1.032 | .900 | 9 | 20 | 102618-8 |
| | 3 | —— | .406 | .932 | .800 | 8 | 18 | 102618-7 |
| | 3 | —— | .306 | .832 | .700 | 7 | 16 | 102618-6 |
| | 3 | —— | .306 | .732 | .600 | 6 | 14 | 102618-5 |
| | 3 | —— | .206 | .632 | .500 | 5 | 12 | 102618-4 |
| | 3 | —— | .206 | .532 | .400 | 4 | 10 | 102618-3 |
| | 3 | —— | .106 | .432 | .300 | 3 | 8 | 102618-2 |
| | 3 | —— | .106 | .332 | .200 | 2 | 6 | 102618-1 |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± -
1 PLC ± -
2 PLC ± -
3 PLC ± .005
4 PLC ± -
ANGLES ± -

MATERIAL 5

FINISH SEE TABLE

DWN H MOLL 4-9-87
CHK LA MAYER 4-9-87
APVD R. FEIDT 4-9-87

TE Connectivity

NAME HDR ASSY, MOD II, SHROUDED, 4 SIDES, DBL ROW, VERTICAL, .100X.100 C/L, WITH .025 SQ POSTS

PRODUCT SPEC —

APPLICATION SPEC —

WEIGHT —

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A1 | 00779 | C-102618 | — |

RESTRICTED CUSTOMER

SCALE 4:1 SHEET 1 OF 1 REV L2

4805 (3/11)