

ROHS Compliant

THIS INFORMATION IS CONFIDENTIAL AND IS DISCLOSED TO YOU ON CONDITION THAT NO FURTHER DISCLOSURE IS MADE BY YOU TO OTHER THAN TETULL PERSONNEL WITHOUT WRITTEN AUTHORIZATION FROM TETULL LTD.

NOTE:

1. ELECTRICAL CHARACTERISTICS
  - 1-1. VOLTAGE RATING: 40V DC MAX
  - 1-2. CURRENT RATING: 0.5A MAX
  - 1-3. CONTACT RESISTANCE: 50 milliohms MAX.
  - 1-4. INSULATION RESISTANCE: 100 Megohms MIN.
  - 1-5. DIELECTRIC WITHSTANDING VOLTAGE: 500V AC FOR 1 MINUTE.
2. MECHANICAL CHARACTERISTICS
  - 2-1. MATING FORCE: 45N MAX
  - 2-2. UNMATING FORCE: 10N~40N
  - 2-3. DURIBILITY: 5000 CYCLES
  - 3. SALT SPRAY: 24H
  - 4. OPERATING TEMPERATURE: -40C~85C
  - 5. ROHS 2002/95/EC COMPLIANT.
  - 6. MPQ : 100PCS/TRAY.

Connector Pin Assignment:

| Pin | Signal Assignment: |
|-----|--------------------|
| 1   | TMDS Data2+        |
| 2   | TMDS Data2 Shield  |
| 3   | TMDS Data2-        |
| 4   | TMDS Data2+        |
| 5   | TMDS Data1 Shield  |
| 6   | TMDS Data1-        |
| 7   | TMDS Data0+        |
| 8   | TMDS Data0 Shield  |
| 9   | TMDS Data0-        |
| 10  | TMDS Clock+        |
| 11  | TMDS Clock Shield  |
| 12  | TMDS Clock-        |
| 13  | CEC                |
| 14  | Utility            |
| 15  | SCL                |
| 16  | SDA                |
| 17  | DDC/CEC Ground     |
| 18  | +5V Power          |
| 19  | Hot Plug Detect    |

| REV/ECN NO OR DESCRIPTION | REVISED | DATE       |
|---------------------------|---------|------------|
| A PRODUCT RELEASE         | ARES    | 2010.06.29 |
| B MODIFY                  | BROKEN  | 2014.08.19 |

|                                       |             |              |                     |  |
|---------------------------------------|-------------|--------------|---------------------|--|
| C                                     | SHIELD      | 1            | COPPER ALLOY        | Gold Flash Over All  |
| B                                     | CONTACT     | 19           | COPPER ALLOY 0.20t  | Gold On Contact Area<br>Tin plated on Solder tail<br>All over Nickel Plated. |
| A                                     | HOUSING     | 1            | THERMOPHYSIC U94-10 | BLACK  |
| NO                                    | DESCRIPTION | QTY          | MATERIAL            | PLATING & COLOR  |
| UNLESS OTHERWISE SPECIFIED TOLERANCES |             |              |                     |  |
| DECIMALS:                             |             | ANGLES:      |                     |  |
| X : ±0.5                              |             | X : ±2°      |                     |  |
| X.X : ±0.3                            |             | X.X : ±1°    |                     |  |
| X.XX : ±0.2                           |             |              |                     |  |
| TITLE: HDMT 19P PLUG CLAMP PLATE TYPE |             |              |                     |  |
| PART NO:                              |             | 1111905AR011 |                     |  |
| DWN:                                  |             | BROKEN       |                     |  |
| CHKD:                                 |             | 2014.08.19   |                     |  |
| APVD:                                 |             |              |                     |  |
| SCALE 1:1                             |             | UNIT: mm     |                     |  |
| SIZE: A4                              |             | SHEET: 10F1  |                     |  |
| CUSTOMER COPY                         |             | REV: B       |                     |  |

TETULL CORPORATION