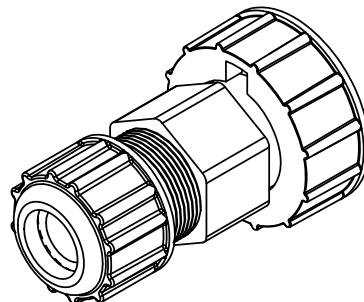
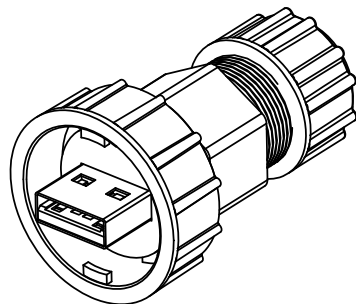


DETAIL A  
PCB LAYOUT  
SCALE 4 : 1



ORDERING CODE: **MRU-AF21-4000**

SERIES

STYLE  
A = USB 2.0 TYPE A

CONNECTOR TYPE  
M = MALE

CONNECTOR MOUNTING FEATURE  
2 = FIELD INSTALLABLE 180°  
LOCKING BAYONET TYPE

WIRE LENGTH  
00 = NO WIRE

COVER OPTION  
0 = NO COVER

TERMINATION  
4 = PCB FOR HARDWIRE

PLATING  
1 = GOLD AT MATING AREA STANDARD

#### NOTES:

- MATERIAL: ALL MATERIALS ARE RoHS COMPLIANT PER EU DIRECTIVE 2011/65/EU & AMENDMENTS:
  - HOUSING, LOCK, RING & NUT: GLASS FILLED THERMOPLASTIC, UL FLAMMABILITY RATING 94V-0, BLACK
  - PCB: FR4 FIBER GLASS
  - GASKETS: SILICON RUBBER
  - CONTACT: COPPER ALLOY PLATED WITH GOLD OVER NICKEL IN MATING AREA
  - SHIELD: STAINLESS STEEL
- SPECIFICATIONS:
  - NUMBER OF CONTACTS: 4
  - WIRE GAUGE: 24 AWG
  - INGRESS PROTECTION: IP67 / 68
  - MECHANICAL LIFE: 1500 MATING CYCLES
  - OPERATING TEMPERATURE: -45 - +85°C
  - DWV: 500VAC / 1 MINUTE @ SEA LEVEL
  - SPEED: 480 Mbps
  - CONTACT RESISTANCE: 30 MILLIOHMS MAX.
  - INSULATION RESISTANCE: 1000 MEGOHMS MIN.
  - CURRENT RATING: 1.5 A
  - MAX TORQUE FOR RUNNING THREAD: 0.5 IN-LBS MAX
  - MATING FORCES: MATING 35N MAX, UNMATING 10N MIN
- RECOMMENDED CABLE OD: Ø3.5mm (.138") - Ø6.8mm (.268")
- PRODUCT SPEC #S6148C

|                            |                        |            |          |
|----------------------------|------------------------|------------|----------|
| UNLESS SPECIFIED OTHERWISE | DRAWN                  | B COPPING  | SEP7/18  |
| PRIMARY UNITS MILLIMETERS  | CHECKED                | S.MUGAN    | SEP7/18  |
| SECONDARY                  | M.E. APPD              | C.ZHONG    | SEP8/18  |
| REFERENCE IN PARENTHESES   | Q.A. APPD              |            |          |
| GENERAL TOLERANCES         | DWG APPR.              | A.GREEN    | SEP10/18 |
| 1 DECIMAL PLACE            | ENG. REL. NO.          | ECN 180082 |          |
| 2 DECIMAL PLACES ±0.15     | REF.                   |            |          |
| 3 DECIMAL PLACES           | THIRD ANGLE PROJECTION |            |          |
| ANGULAR DEGREES            |                        |            |          |

|                                                                                                  |                 |             |            |
|--------------------------------------------------------------------------------------------------|-----------------|-------------|------------|
| <b>Amphenol Canada Corp.</b><br>Commercial Products                                              |                 |             |            |
| MRU SERIES CONNECTOR, USB 2.0 TYPE A, BAYONET LOCK PLUG FOR HARDWIRE TERMINATION, RoHS COMPLIANT |                 |             |            |
| DWG. NO.                                                                                         | P-MRU-AM21-4000 |             |            |
| CODE ID NO.                                                                                      | 03554           | DWG SIZE: X | SCALE: 2:1 |
| SHEET                                                                                            | 1 OF 1          | REV         | D          |