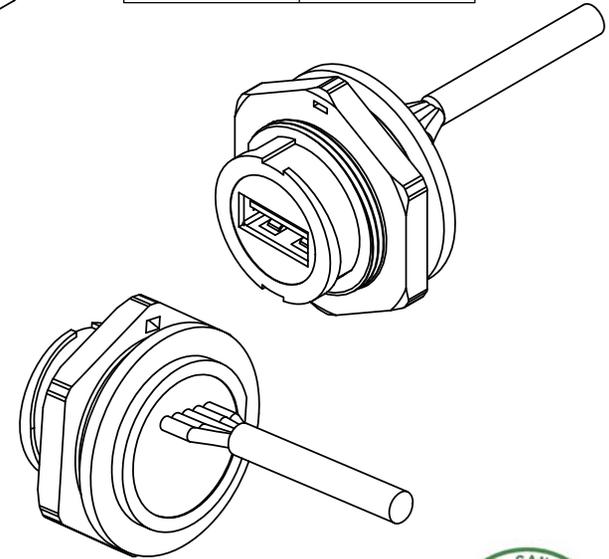


**RECOMMENDED PANEL CUTOUT**  
OUTSIDE VIEW OF PANEL

REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APPD
B	PROPOSAL DRWING	SEP12/18	A.G.
C	PART NUMBER TYPO CORRECTED	MAR12/19	S.M.

USB CONNECTOR TERMINATION ASSIGNMENT	
CONTACT NUMBER	WIRING ASSIGNMENT
1	RED
2	WHITE
3	GREEN
4	BLACK
SHELL	DRAIN WIRE



**NOTES:**

- MATERIAL: ALL MATERIALS ARE RoHS COMPLIANT PER EU DIRECTIVE 2011/65/EU & AMENDMENTS:
  - HOUSING AND NUT: GLASS FILLED THERMOPLASTIC, UL FLAMMABILITY RATING 94V-0, BLACK
  - GASKET: SILICON RUBBER
  - CONTACT: COPPER ALLOY PLATED WITH GOLD OVER NICKEL ON MATING AREA.
  - SHIELD: STAINLESS STEEL
  - INTERNAL PCB: FR4 FIBER GLASS
- SPECIFICATIONS:
  - NUMBER OF CONTACTS: 4
  - 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 PANEL THICKNESS: 4.00 (.157) THICKNESS.
- PRODUCT SPEC #S6148C
- TOLERANCE "A" IS ±10mm (±.39") WHEN CABLE LENGTHS "L" ARE LESS THAN OR UP TO 1 METER, TOLERANCE "A" IS ±50mm (±1.97") WHEN CABLE LENGTHS "L" IS 1 METER OR LONGER. SEE TABLE 1 BELOW FOR ORDERING CODES.

**TABLE 1: XX DEFINITION & "LENGTH" DIMENSION**

FOR LENGTHS LESS THAN TO 1 METER, PART NUMBER CODE XX IS 01 TO 99 & "LENGTH" DIMENSION IS FROM 1 TO 99cm (10 TO 990mm), SEE NOTE 3 FOR TOLERANCE					
FOR LENGTHS 1 METER AND LONGER UP TO A MAXIMUM OF 5 METERS					
FIRST DIGIT OF XX			SECOND DIGIT OF XX		
CODE	LENGTH		CODE	LENGTH ADDITION	
	METERS	MILLIMETERS		METERS	MILLIMETERS
A	1.0	1000	0	0	0
B	2.0	2000	1	0.1	100
C	3.0	3000	2	0.2	200
D	4.0	4000	3	0.3	300
E	5.0	5000	4	0.4	400
-	-	-	5	0.5	500
-	-	-	6	0.6	600
-	-	-	7	0.7	700
-	-	-	8	0.8	800
-	-	-	9	0.9	900

WHEN FIRST DIGIT IS "E", SECOND DIGIT MUST BE "0"

**ORDERING CODE: M R U - A F 4 1 - 2 0 X X**

- SERIES** \_\_\_\_\_
- STYLE** \_\_\_\_\_  
A = USB 2.0TYPE A
- CONNECTOR TYPE** \_\_\_\_\_  
F = FEMALE
- CONNECTOR MOUNTING FEATURE** \_\_\_\_\_  
4 = PANEL MOUNT - LOCKING BAYONET TYPE
- WIRE LENGTH** \_\_\_\_\_  
SEE WIRE LENGTH TABLE (NOTE 5)
- COVER OPTION** \_\_\_\_\_  
0 = NO COVER
- TERMINATION** \_\_\_\_\_  
2 = PIGTAIL
- PLATING** \_\_\_\_\_  
1 = GOLD AT MATING AREA STANDARD

UNLESS SPECIFIED OTHERWISE	DRAWN	B COPPING	JUN20/18
PRIMARY UNITS MILLIMETERS	CHECKED	S.MUGAN	JUN20/18
SECONDARY	M.E. APPD		
REFERENCE IN PARENTHESES	Q.A. APPD		
GENERAL TOLERANCES	DWG APPR.		
1 DECIMAL PLACE ±0.25	ENG. REL. NO.		
2 DECIMAL PLACES ±0.15	REF.		
3 DECIMAL PLACES	THIRD ANGLE PROJECTION		
ANGULAR DEGREES	DO NOT SCALE DRAWING		

**Amphenol Canada Corp.**  
Commercial Products

MRU SERIES CONNECTOR, USB 2.0 TYPE A, BAYONET LOCK RECEPTACLE FOR PCB TERMINATION, RoHS COMPLIANT

DWG. NO.	P-MRU-AF41-20XX	REV	C
CODE ID NO.	03554	DWG SIZE:	X
SCALE:	2:1	SHEET	1 OF 1