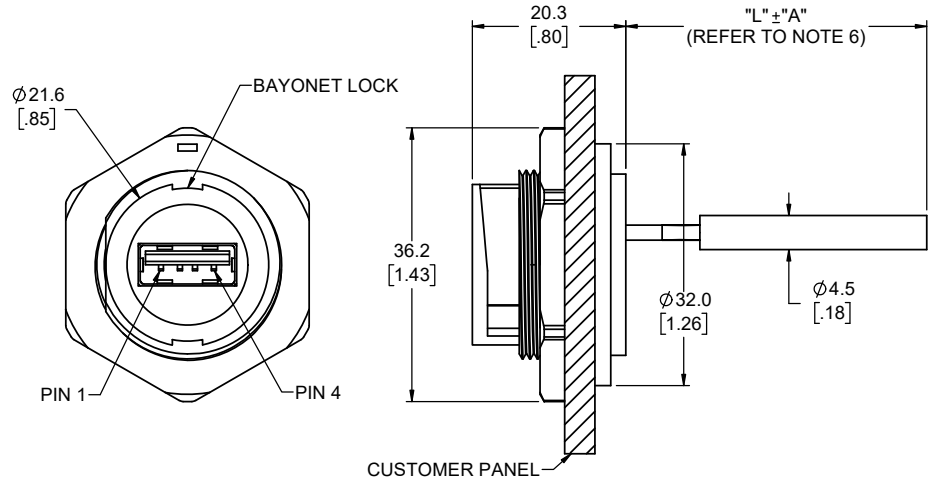
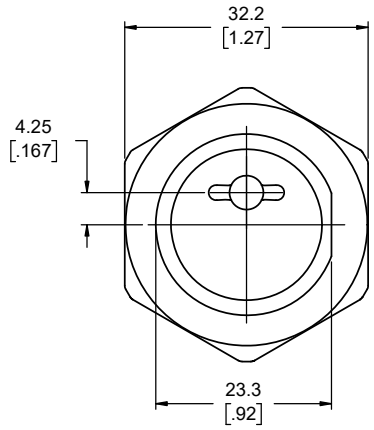
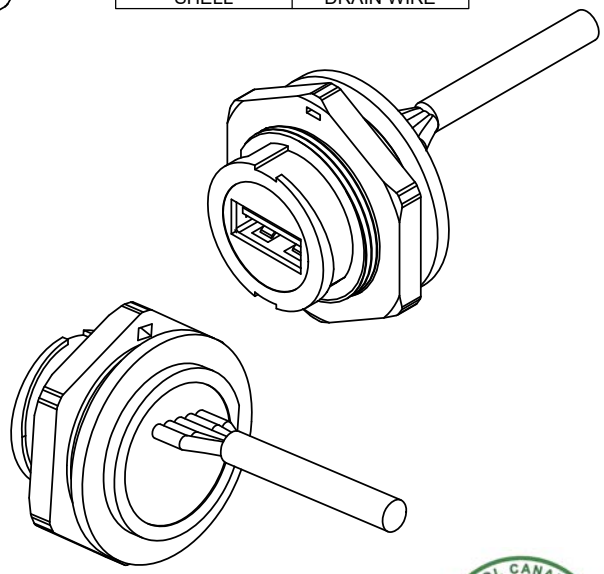
REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
B	PROPOSAL DRWING	SEP12/18	A.G.
C	PART NUMBER TYPO CORRECTED	MAR12/19	S.M.



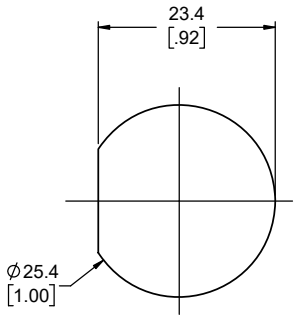


USB CONNECTOR TERMINATION ASSIGNMENT	
CONTACT NUMBER	WIRING ASSIGNMENT
1	RED
2	WHITE
3	GREEN
4	BLACK
SHELL	DRAIN WIRE



NOTES:

1. 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
2. SPECIFICATIONS:
   - NUMBER OF CONTACTS: 4
   - INGRESS PROTECTION: IP67 / 68
   - MECHANICAL LIFE: 1500 MATING CYCLES
   - OPERATING TEMPERATURE: -45 - +85 °C
   - DWV: 500VAC/ I 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
3. RECOMMENDED PANEL THICKNESS: 4.00 (.157) THICKNESS.
4. PRODUCT SPEC #S6148C
5. 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.



RECOMMENDED PANEL CUTOUT
OUTSIDE VIEW OF PANEL

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
- PLATING: 1 = GOLD AT MATING AREA STANDARD
- TERMINATION: 2 = PIGTAIL
- COVER OPTION: 0 = NO COVER
- WIRE LENGTH: SEE WIRE LENGTH TABLE (NOTE 5)

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE OR USED FOR MANUFACTURING PURPOSES WITHOUT WRITTEN PERMISSION FROM AMPHENOL CANADA CORP.

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

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