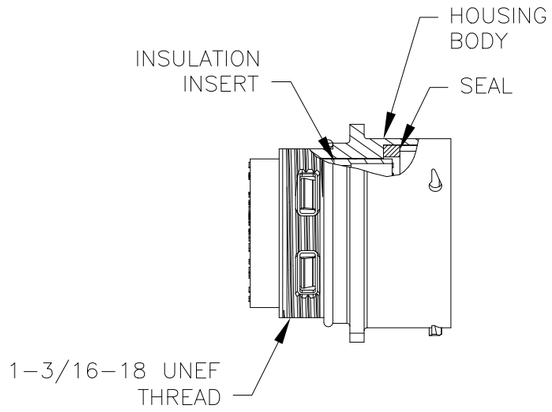
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
01	–	CUSTOMER DRAWING	–	–	–
02	–	ADDED IP69K RATING	4/21/2020	RO	DR
03	–	UPDATED VOLTAGE	2/6/2023	RO	DR
04	–	UPDATED AMPERAGE	5/4/2023	RO	DR



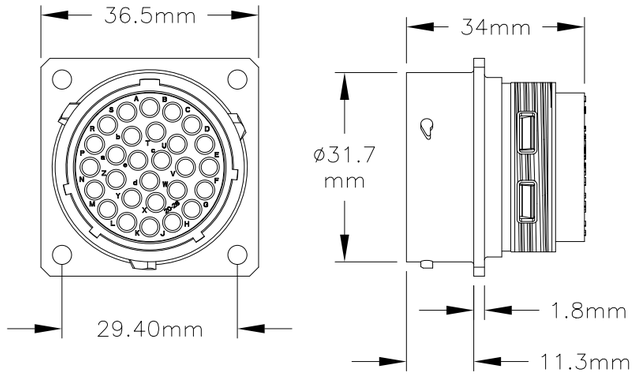
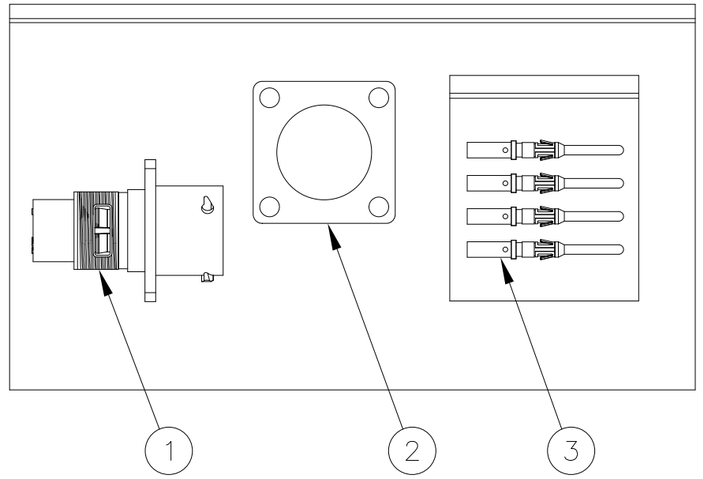
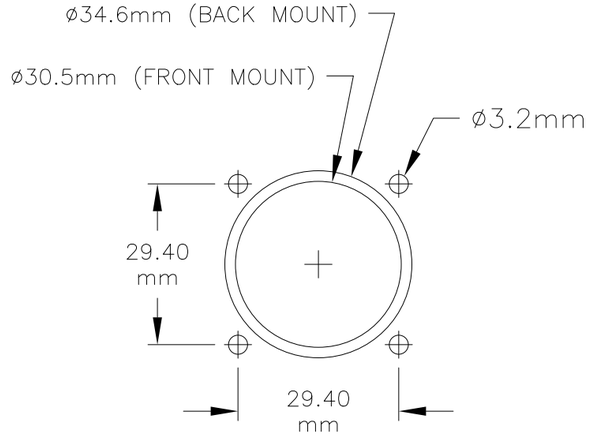


ILLUSTRATION: COMPLETE KIT





PANEL CUTOUT

NOTES:

1) CONTACT BARREL RANGE: 16AWG TO 18AWG
2) RECOMMENDED CRIMP TOOLS:
   HAND CRIMPER: MFX–3959
   PNEUMATIC CRIMPER: MFX–3960
3) EXTRACTION TOOL: QXRT16
4) MATERIALS:
   HOUSING BODY: ZINC DIE CAST, NICKEL PLATED
   INSULATION INSERT: PA66, UL94/V–0
   CONTACT: BRASS, GOLD FLASH PLATED
   SEAL: SILICONE
5) ELECTRICAL DATA:
   a) CURRENT (MAX): 3A
   b) VOLTAGE (MAX): 500VAC
   c) INSULATION RESISTANCE (MIN): 5000M OHMS
   d) TEST VOLTAGE (BETWEEN CONTACTS): 3050V
6) TECHNICAL DATA:
   a) TEMPERATURE RANGE: –40°C TO 105°C
   b) PROTECTION: IP67 (IP69K WHEN IN MATED CONDITION)
   c) MATING CYCLES: >500
   d) VIBRATION RESISTANCE PER MIL–STD–202 METHOD 204
   e) THERMAL SHOCK PER MIL–STD–202 METHOD 207
   f) 48 HOUR SALT SPRAY PER MIL–STD–202 METHOD 101
7) RoHS COMPLIANT

QUANTITY	PART NUMBER	DESCRIPTION	ITEM
28	MP16M23F	CONTACT, PIN, SIZE 16	3
1	RTFD20B	GASKET	2
1	RT002028PKNH03	CONNECTOR	1

MATERIALS LIST

UNLESS OTHERWISE SPECIFIED
1) All dimensions are in metric(mm).
2) Tolerances are as follows:
1 PL DEC ±0.30
2 PL DEC ±0.15
3 PL DEC ±0.08
Fractions ±1/64
Angles ±1°
3) Note reference = X

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASS'Y:

SIGNATURES		DATE
DRAWN:	MRF	21AUG18
CHECKED:		
ENGINEER:		
APPROVAL:		
CUSTOMER:		

Amphenol
Sine Systems - www.amphenol-sine.com
44724 Morley Drive
Clinton Township, MI 48036

KIT, ECO-MATE RM

SIZE	TYPE	DWG NO:	REVISION
B	C-	RT002028PKNH03-K	04

SCALE: NONE SHEET 1 OF 1

TITLE: KIT, ECO-MATE RM
DWG NO:
REV: 04
SH: 1
OF: 1