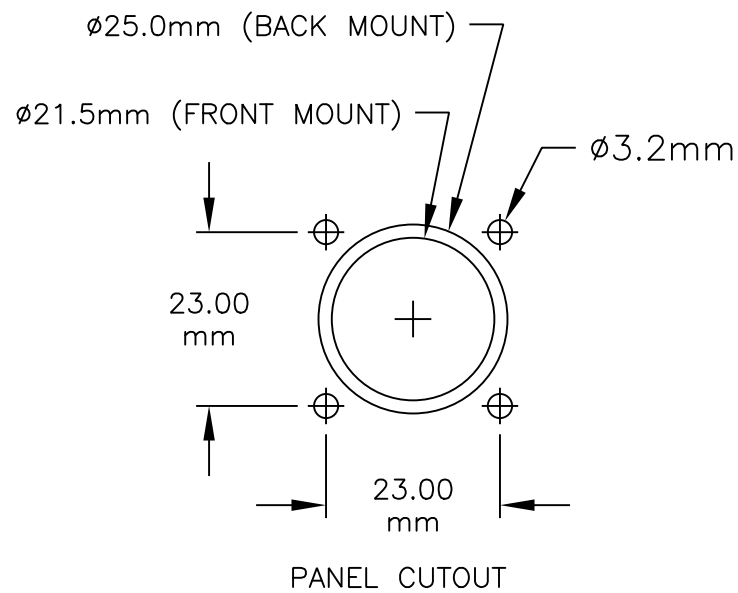
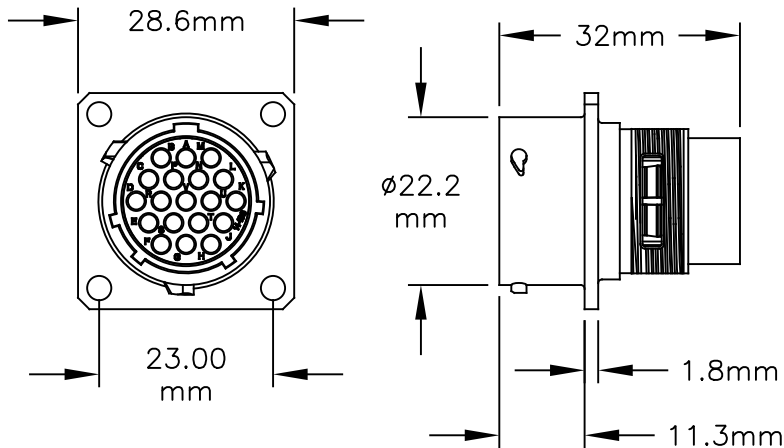
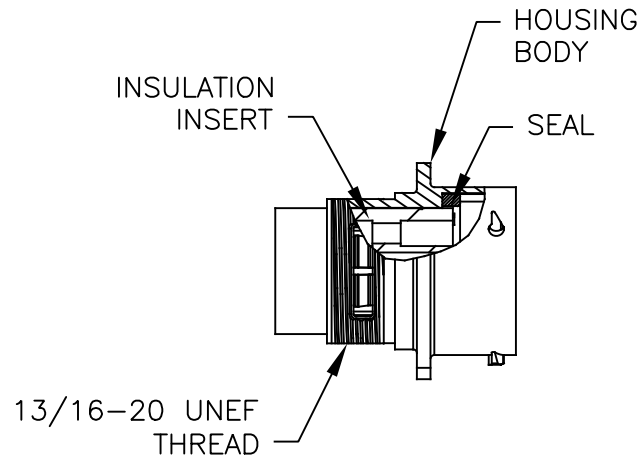


| REVISIONS | | | | | |
|-----------|-----|--------------------|-----------|----|------|
| REV | ECD | DESCRIPTION | DATE | BY | APPR |
| 01 | — | CUSTOMER DRAWING | — | — | — |
| 02 | — | ADDED IP69K RATING | 4/21/2020 | RO | DR |



NOTES:

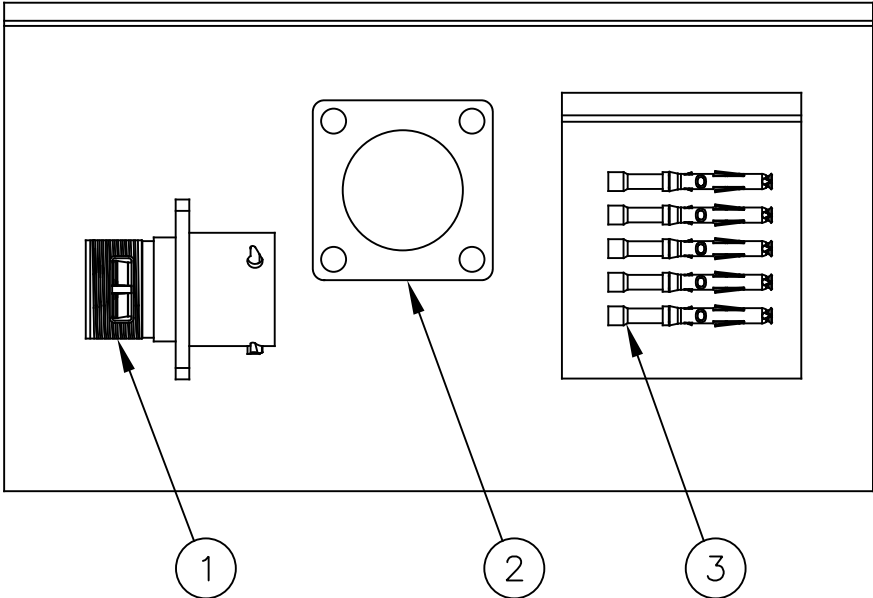
- CONTACT BARREL RANGE: 20AWG TO 22AWG
- RECOMMENDED CRIMP TOOLS:
HAND CRIMPER: MFX-3959
PNEUMATIC CRIMPER: MFX-3960
- EXTRACTION TOOL: QXRT20
- MATERIALS:
HOUSING BODY: ZINC DIE CAST, NICKEL PLATED
INSULATION INSERT: PA66, UL94/V-0
CONTACT: BRASS, GOLD FLASH PLATED
SEAL: SILICONE
- ELECTRICAL DATA:
a) CURRENT (MAX): 5A
b) VOLTAGE (MAX): 250VAC
c) INSULATION RESISTANCE (MIN): 5000M OHMS
d) TEST VOLTAGE (BETWEEN CONTACTS): 1500V

6) TECHNICAL DATA:

- TEMPERATURE RANGE: -40°C TO 105°C
- PROTECTION: IP67 (IP69K WHEN IN MATED CONDITION)
- MATING CYCLES: >500
- VIBRATION RESISTANCE PER MIL-STD-202 METHOD 204
- THERMAL SHOCK PER MIL-STD-202 METHOD 207
- 48 HOUR SALT SPRAY PER MIL-STD-202 METHOD 101

7) RoHS COMPLIANT

ILLUSTRATION: COMPLETE KIT



| 19 | MP20W23F | CONTACT, PIN, SIZE 20 | 3 |
|--------------------------------------|-----------------|--|--------------|
| 1 | RTFD14B | GASKET | 2 |
| 1 | RTOW01419PKNH03 | CONNECTOR | 1 |
| QUANTITY | PART NUMBER | DESCRIPTION | ITEM |
| MATERIALS LIST | | | |
| UNLESS OTHERWISE SPECIFIED | | SIGNATURES | DATE |
| 1) All dimensions are in metric(mm). | | DRAWN: MRF | 20AUG18 |
| 2) Tolerances are as follows: | | CHECKED: | |
| 1 PL DEC ±0.30 | | ENGINEER: | |
| 2 PL DEC ±0.15 | | APPROVAL: | |
| 3 PL DEC ±0.08 | | CUSTOMER: | |
| 3) Note reference = | | THIS DRAWING IS SUPPLIED FOR INFORMATION ONLY. DESIGN FEATURES, SPECIFICATIONS AND PERFORMANCE DATA SHOWN HEREON ARE THE PROPERTY OF THE AMPHENOL CORPORATION. NO RIGHTS OF REPRODUCTION ARE IMPLIED. ALL DIMENSIONS ARE SUBJECT TO NORMAL MANUFACTURING VARIATIONS. | |
| MATERIAL SPECIFICATIONS: | | KIT, ECO-MATE RM | |
| PROCESS SPECIFICATIONS: | | SIZE B C- RTOW01419PKNH03-K | |
| NEXT ASSY: | | REVISION 02 | |
| | | SCALE: NONE | SHEET 1 OF 1 |

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[RT0W61419SNH03SS-K](#)