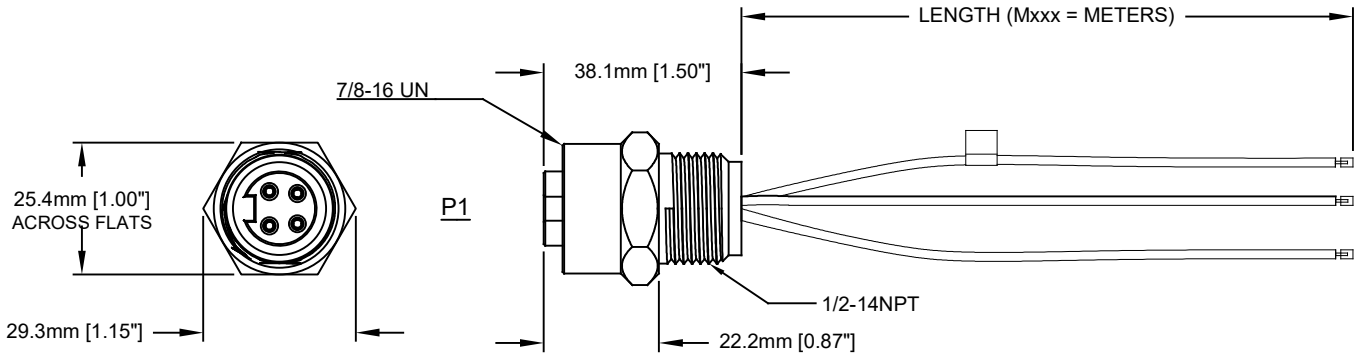
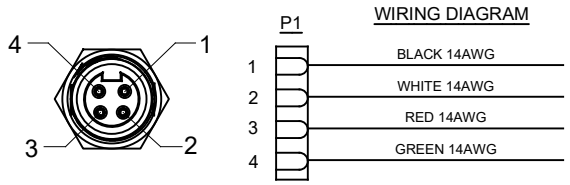
| REVISIONS | | | | | |
|---|---|---|---|---|---|
| REV | ECO | DESCRIPTION | DATE | BY | APPR |
| A1 | - | TECHNICAL DATA SHEET RELEASE | 12-MAY-14 | KMM | RFC |




TECHNICAL DATA:

1) MATERIALS:
HOUSING: MACHINED ALUMINUM, ANODIZED
INSULATION INSERT: THERMOPLASTIC, UL 94/V-0
CONTACT: GOLD FLASH PLATING OVER COPPER ALLOY
CONDUCTOR INSULATION: PVC
NUMBER OF CONDUCTORS: (4) 14AWG

2) ELECTRICAL DATA:
CURRENT (MAX): 15A
VOLTAGE (MAX): 600V AC/DC
INSULATION RESISTANCE (MIN): 5000M OHMS
DIELECTRIC TEST VOLTAGE: 2200V

3) MECHANICAL DATA:
KNOCKOUT HOLE SIZE FOR PANEL MOUNT: 22.2mm [.88"]
TEMPERATURE RANGE: -40°C TO 90°C
PROTECTION: IP67 (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

4) RoHS COMPLIANT

5) UL 2237 LISTED ASSEMBLY
UL FILE NUMBERS: E339703

| Amphenol P/N | ROCKWELL P/N | MOLEX | TURCK |
|---|---|---|---|
| P29037-M* | 280-M22F-M* | 1R4C00A20A* | RKF44-*M/NPT |
| P29037-M.5 | 280-M22F-M.5 | 1R4C00A20A005G | RKF44-.5M/NPT |
| P29037-M1 | 280-M22F-M1 | 1R4C00A20A010G | RKF44-1M/NPT |
| P29037-M2 | 280-M22F-M2 | 1R4C00A20A020G | RKF44-2M/NPT |
| P29037-M3 | 280-M22F-M3 | 1R4C00A20A030G | RKF44-3M/NPT |

| TOLERANCE | |
|---|---|
| 0-2.99 M = +100.0/-25.0mm | 0-9.99 FT = +4" / -1" |
| 3-8.99 M = +150.0/-25.0mm | 10.00-29.99 FT = +6" / -1" |
| 9-14.99 M = +300.0/-25.0mm | 30.00-49.99 FT = +12" / -1" |
| 15-OVER M = +450.0/-25.0mm | 50 FT-OVER = +18" / -1" |

| PART NUMBER | DESCRIPTION | ITEM |
|---|---|---|
| QUANTITY | MATERIALS LIST | |

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

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASS'Y:

| SIGNATURES | | DATE |
|---|---|---|
| DRAWN: | KMM | 12-MAY-14 |
| CHECKED: | MRF | 12-MAY-14 |
| ENGINEER: | KMM | |
| APPROVAL: | RFC | 12-MAY-14 |
| CUSTOMER: | | |

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

M22 PB LITE, 4 PIN, FEMALE RECEPTACLE DROP, 14 AWG, 1/2 - 14NPT

| SIZE | TYPE | DWG NO: | REVISION |
|---|---|---|---|
| | C- | P29037-Mxxx | A1 |

SCALE: FULL | C-P29037 | SHEET 1 OF 1

TITLE: M22 PB LITE, 4 PIN, FEMALE REC., 14AWG, 1/2-14NPT
DWG NO: C-P29037-Mxxx
REV: A1
SH: 1
OF: 1