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

TECHNICAL DATA:

1) MATERIALS:
   COUPLING NUT: MACHINED ALUMINUM, ANODIZED
   INSULATION INSERT: THERMOPLASTIC, UL 94/V-0
   CONTACT: GOLD FLASH PLATING OVER COPPER ALLOY
   OVERMOLD MATERIAL: THERMOPLASTIC COLOR: BLACK
   CABLE RATING: UL LISTED DUAL RATED TC-ER/STOOW,
   CSA TYPE STOOW, FT4 FLAME RATING, 600V,
   90°C DRY & 75°C WET (TC-ER), 105°C (STOOW)
   CABLE JACKET MATERIAL: PVC COLOR: BLACK
   CONDUCTOR INSULATION: PVC
   NUMBER OF CONDUCTORS: (3) 14AWG

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

3) MECHANICAL DATA:
   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	MOLEX	TURCK
P29022-M*	103000A46M*	RKM34-*M
P29022-M1	103000A46M010	RKM34-010M
P29022-M2	103000A46M020	RKM34-020M
P29022-M3	103000A46M030	RKM34-030M
P29022-M5	103000A46M050	RKM34-050M
P29022-M10	103000A46M100	RKM34-100M

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"

QUANTITY	PART NUMBER	DESCRIPTION	ITEM
	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 POWERBOSS LITE, 3 PIN, FEMALE-STR, 14 AWG, TC-ER/STOOW, PVC JACKET

SIZE	TYPE	DWG NO:	REVISION
	C-	P29022-Mxxx	A1
SCALE: FULL	C-P29022	SHEET 1 OF 1	

TITLE: M22 PB LITE, 3 PIN, F-STR, 14AWG, TC-ER/STOOW, PVC DWG NO: C-P29022-Mxxx REV: A1 SH: 1 OF: 1

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