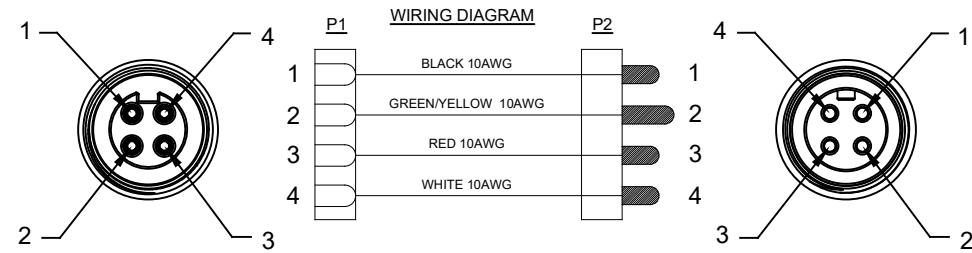


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	TECHNICAL DATA SHEET RELEASE	12-MAY-14	KMM	RFC



Amphenol P/N	ROCKWELL P/N	MOLEX	TURCK
P28976-M*	280-PWRM35A-M*	CC4030A48M*	GSDAGKDA40-*M
P28976-M1	280-PWRM35A-M010	CC4030A48M010	GSDAGKDA40-010M
P28976-M2	280-PWRM35A-M020	CC4030A48M020	GSDAGKDA40-020M
P28976-M3	280-PWRM35A-M030	CC4030A48M030	GSDAGKDA40-030M
P28976-M5	280-PWRM35A-M050	CC4030A48M050	GSDAGKDA40-050M
P28976-M10	280-PWRM35A-M100	CC4030A48M100	GSDAGKDA40-100M

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
<b>MATERIALS LIST</b>			
UNLESS OTHERWISE SPECIFIED		SIGNATURES	DATE
1) All dimensions are in metric (mm).		DRAWN: KMM	12-MAY-14
2) Tolerances are as follows:		CHECKED: MRF	12-MAY-14
1 PL DEC ±0.30   Fractions ±1/64		ENGINEER: KMM	
2 PL DEC ±0.15		APPROVAL: RFC	12-MAY-14
3 PL DEC ±0.08		CUSTOMER:	
3) Note reference = $\triangle$		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:		SIZE	TYPE
PROCESS SPECIFICATIONS:		DWG NO:	REVISION
NEXT ASSY:		C-	P28976-Mxxx
		SCALE	FULL
		SHEET	1 OF 1

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

M35 POWERBOSS LITE, 4 PIN, M/F,  
10 AWG, TC-ER/STOOW, PVC JACKET

**TECHNICAL DATA:**

- 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: (4) 10AWG
- ELECTRICAL DATA:**  
CURRENT (MAX): 25A  
VOLTAGE (MAX): 600V AC/DC  
INSULATION RESISTANCE (MIN): 5000M OHMS  
DIELECTRIC TEST VOLTAGE: 2200V  
SHORT CIRCUIT AMPERAGE RATING: 65kA - BREAKERS AND FUSES
- 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
- RoHS COMPLIANT**
- UL 2237 LISTED ASSEMBLY**  
UL FILE NUMBERS: E339703

TRM-435 PB LITE, 4 PIN, M/F, 10AWG, TC-ER/STOOW, PVC JACKET  
 rev: A1  
 sh: 1  
 of: 1  
 C-P28976-Mxxx