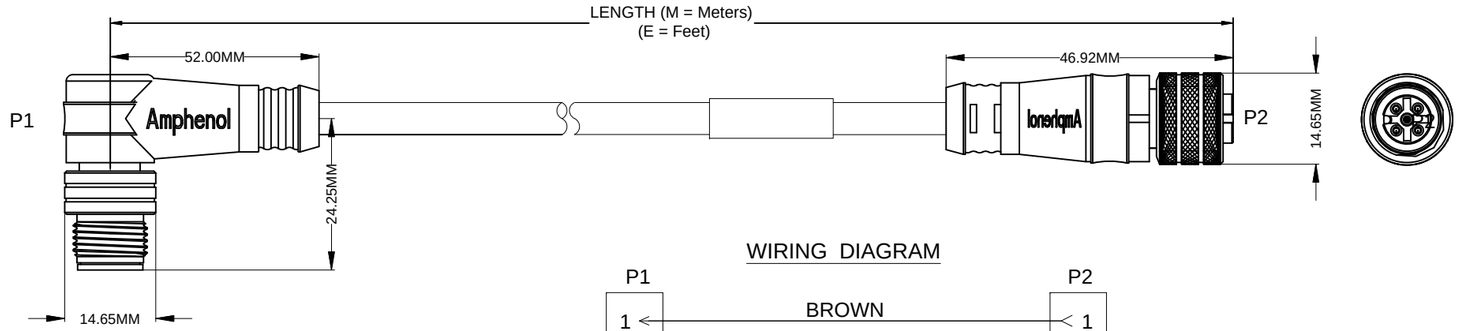
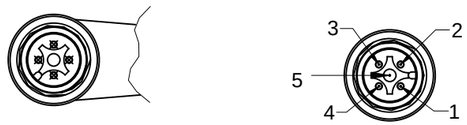
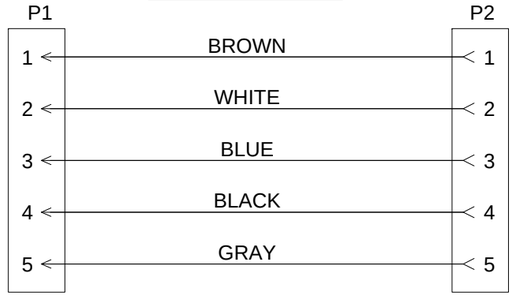
REVISIONS						
REV	ZONE	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	-	TECHNICAL DATA SHEET RELEASE	13 NOV 15	JLAG	-

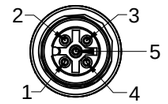




FACE VIEW

WIRING DIAGRAM





FACE VIEW

TECHNICAL DATA:

1) MATERIALS:
- COUPLING NUT: MACHINED ALUMINUM, ANODIZED
- CONTACT: GOLD FLASH OVER COPPER ALLOY
- OVERMOLD MATERIAL: THERMOPLASTIC COLOR: YELLOW
- CABLE RATING:UL 18AWG ITC, 105°C, OR PLTC 105°C OR CSA AWM I/II AB FT4 FLAME RATING 300V 90°C
- CABLE JACKET MATERIAL: TPC COLOR: YELLOW
- CONDUCTOR INSULATION: PVC
- NUMBER OF CONDUCTORS:(5)18AWG

2) ELECTRICAL DATA:
- CURRENT (MAX): 4A
- VOLTAGE (MAX): 300V AC/DC
- INSULATION RESISTANCE (MIN): 5000M OHMS
- DIELECTRIC TEST VOLTAGE: 2200V

3) MECHANICAL DATA:
- TEMPERATURE RANGE: -20°C TO +105°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 2238 LISTED ASSEMBLY
UL FILE NUMBERS: E224856

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"

Risk of Electrical Shock
Do Not Disconnect Under Load.
Risque de chocs electriques
Ne pas debrancher sous tension.
WARNING

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

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

MATERIAL SPECIFICATIONS:
CUSTOMER:
PROCESS SPECIFICATIONS:
NEXT ASS'Y:

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

MICROBOSS M12, 5 PIN, MALE INLINE, 90 DEGREE TO FEMALE, STRAIGHT, 18 AWG, PLTC, TPE JACKET

SIZE	TYPE	DWG NO:	REVISION
	C-	MC57B4AC09M	A1

SCALE: HALF | MC57B4AC09M | SHEET 1 OF 1

TITLE: MICROBOSS, 5 PIN, M-INLINE, F-STR, 18AWG, PLTC, TPE JACKET
DWG NO: MC57B4AC09Mxxx
REV: A1
SHT: 1
OF: 1