

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	FIRST RELEASE	Nov.6,2017	White	Tommy
A2	-	ADDED ITEM 5 TO BOM.	12/13/2021	RO	RO

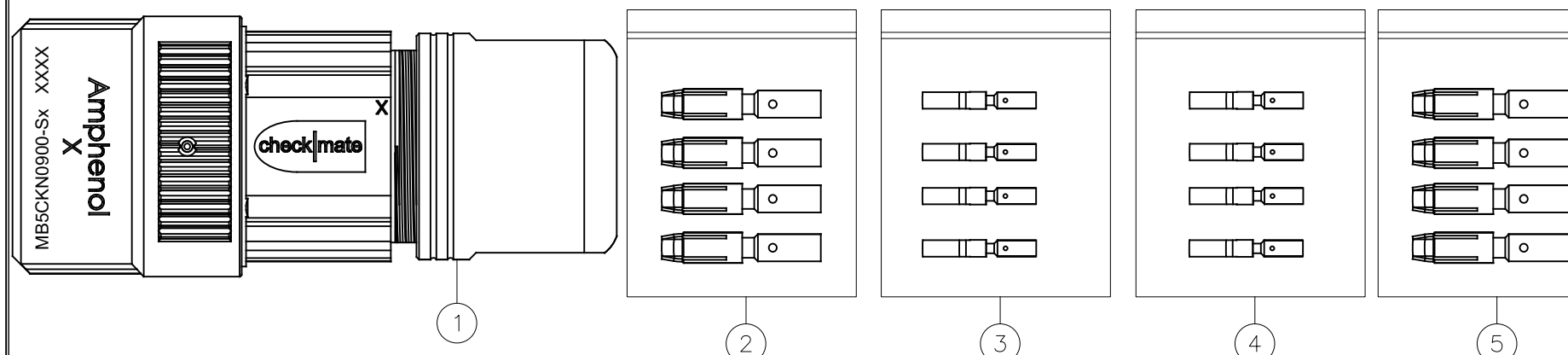
NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL:
  - INSULATION INSERT: PA66, UL94 V0
  - SEAL: VITON, EPDM
  - HOUSING BODY: ZINC DIE CAST, NICKEL PLATED
  - COUPLING NUT: ZINC DIE CAST, NICKEL PLATED
  - CONTACT: COPPER ALLOY, GOLD PLATED
- SPECIFICATIONS:
  - 2.1 CURRENT RATING: SIGNAL: 10 AMPS  
POWER: 30AMPS
  - 2.2 VOLTAGE RATING: SIGNAL: 250V AC/DC  
POWER: 630V AC/DC
  - 2.3 CONTACT RESISTANCE: SIGNAL: <5 mOHMS  
POWER: <3 mOHMS
  - 2.4 OPERATING TEMPERATURE: -20°C TO +130°C
  - 2.5 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ SIGNAL: 2500VOLTS AC.  
POWER: 6000 VOLTS AC.
  - 2.6 DEGREE OF PROTECTION: IP67 ( MATED CONDITION )
  - 2.7 DEGREE OF POLLUTION: 3 PER UL840
  - 2.8 OVERVOLTAGE CATEGORY: III PER UL840
  - 2.9 MATING CYCLE DURABILITY: >500 CYCLES
  - 2.10 RoHS COMPLIANT

3. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

Item	Part number	Connector P/N	Cable OD Range
1	MB5CKN0800-S1-KIT	MB5CKN0800-S1	7.5~11.0 mm
2	MB5CKN0800-S2-KIT	MB5CKN0800-S2	11.0~14.5 mm
3	MB5CKN0800-S3-KIT	MB5CKN0800-S3	14.5~17.0 mm

4	SC000523	M23B, ELITE SERIES, 2.0MM SOCKET	5
4	SC000385	Socket contact, 1.0mm, Crimp 24~28AWG	4
4	SC000259	Socket contact, 1.0mm, Crimp 18~22AWG	3
4	SC000260	Socket contact, 2.0mm, Crimp 14~18AWG	2
1	MB5CKN0800-Sx	CONNECTOR	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 =		
SIGNATURES		DATE
DRAWN: White		Nov.6,2017
CHECKED: Tod		Nov.6,2017
ENGINEER:		
APPROVAL: Tommy		Nov.6,2017
MATERIAL SPECIFICATIONS:		
CUSTOMER:		
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PROCESS SPECIFICATIONS:		
NEXT ASSY:		
		Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036
KIT;M23B,PLUG,STR,8POS(4+4),CHECKMATE		
SIZE	TYPE	DWG NO.
B	C-	MB5CKN0800-Sx-KIT
SCALE: NONE		REVISION
		A2
SHEET 1 OF 1		

TITLE: KIT;M23B,PLUG,STR,8POS(4+4),CHECKMATE  
 DWG NO.: MB5CKN0800-Sx-KIT  
 REV: A2  
 SH: 1  
 OF: 1