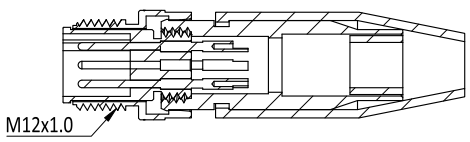
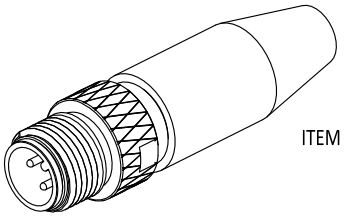
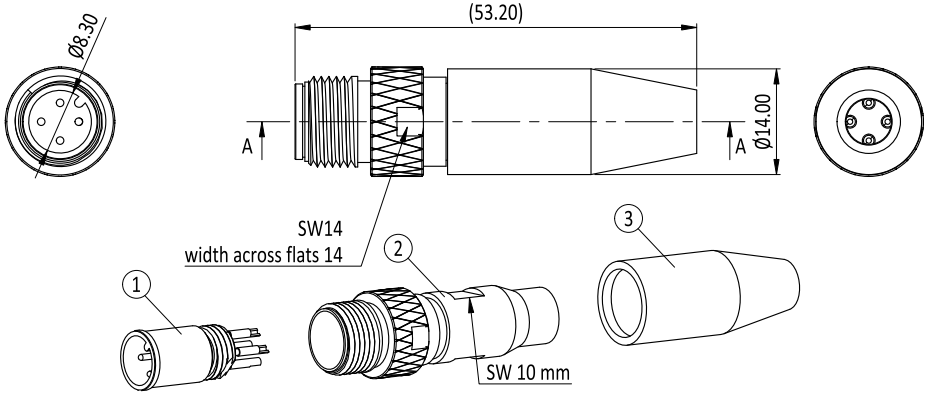
RoHS compliant



SECTION A-A



ITEM



SPECIFICATION

MATERIAL AND FINISH:
1. INSULATOR: PA66(6401G6) GF30%, RATED UL94V-0, BLACK
2. CONTACTS: BRASS(C3604-EH)
   UNDERPLATE: 50~100u" NI
   CONTACT AREA: GOLD PLATED
   SOLDER TAILS AREA: GOLD PLATED
3. SHELL: BRASS(C3604-EH), NI PLATED
4. O-RING: SILICON RUBBER
5. CONTACTS TYPE: SOLDER TYPE

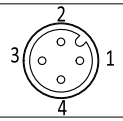
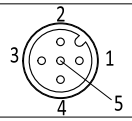
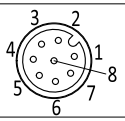
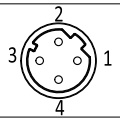
ELECTRICAL CHARACTERISTIC:
1. CONTACT RESISTANCE: 10 mΩ MAX.
2. INSULATION RESISTANCE: 100 MΩ MIN. @ 500 V ±15V DC

MECHANICAL CHARACTERISTIC:
1. MATING CYCLES: 100 INSERTIONS
2. WATERPROOF RATE: IP69K
3. CABLE OD: Ø7.5mm MAX.

ENVIRONMENT:
1. TEMPERATURE RANGE: -25°C TO +85°C

PACKING STYLE:
1. TRAY

Chant Sincere Co., Ltd. Research & Development Dept. 05MAR2024

Standard/Regulation: M12 connector IEC 61076-2-101				
Contacts	A-Code 4 Pin	A-Code 5 Pin	A-Code 8 Pin	D-Code 4 Pin
Contact face				
Rated voltage	250V	60V	30V	250V
Rated current	4 Amps max.	4 Amps max.	2 Amps max.	4 Amps max.
Wire Gauge	22/26AWG	22/26AWG	26AWG	22/26AWG
Dielectric withstanding voltage	1400 VAC / minute	1000 VAC / minute	650 VAC / minute	1400 VAC / minute

NO.	P/N	Parts of name	Material	Q'ty
3	M1649AE04MD5301A	Rubber Boot	Silicon rubber 70°	1
2	S649AE00M00D50X3	Male-Matel Shell Part	Brass(C3604-EH)	1
1	S649AE04MSSD5AX3 S649AE05MSSD5AX3 S649AE08MSSD5AX3 S649AE04MSSD5DX3	M12 A-Code 4 Pin(M) Plastic Main Part M12 A-Code 5 Pin(M) Plastic Main Part M12 A-Code 8 Pin(M) Plastic Main Part M12 D-Code 4 Pin(M) Plastic Main Part	PA66(6401G6) GF30%, rated UL94V-0; Brass(C3604-EH)	1

ITEM	NEW P/N	OLD P/N	PINS	CODING	NOTE
4	54929020040	649AE04MSSD5NDA3	4	D CODE	
3	54929020030	649AE08MSSD5NAA3	8	A CODE	
2	54929020020	649AE05MSSD5NAA3	5	A CODE	
1	54929020010	649AE04MSSD5NAA3	4	A CODE	

ZONE	REVISION	DESCRIPTION	DATE
	B	ECN-2401097(JOLIN)NEW P/N	25JAN2024
	A	ECN-17C066(Riley)	25DEC2017

UNLESS OTHERWISE SPECIFIED TOLERANCE
ANG. ±2°
0. ±0.50
.0 ±0.30
.00 ±0.20

SIP
ST Cmk Cpk

CHANT SINCERE CO.,LTD

SCALE: 1:1	UNIT: mm	TITLE: M12 A/D-CODE 4, 5, 8PIN MALE CABLE END	
DRAWN: BENSON_ZHENG	29 Feb 2024		
CHECKED: PEARL_HUNG	01 Mar 2024		
APPROVED: PEARL_HUNG	01 Mar 2024	PART NO. 5492902XXXX	C
SIZE A4	SHEET 1/1	REV. B	CODE: GC / CUSTOMER: