

RoHS
compliant

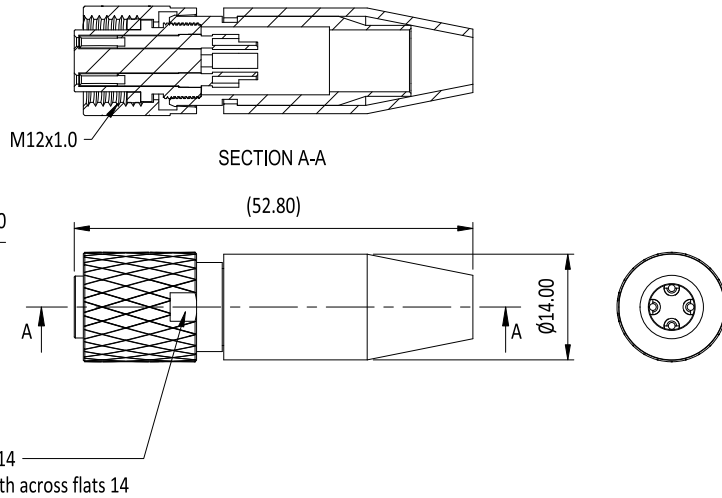
SPECIFICATION
MATERIAL AND FINISH:
1. INSULATOR: PA66(6410G3) GF15% , RATED UL94V-0
2. CONTACTS: BRASS(C3604-EH)
 UNDERPLATE: 50u"~100u" NI
 CONTACT AREA: GOLD FLASH
 SOLDER TAILS AREA: GOLD FLASH
3. SHELL: BRASS(C3604-EH)
4. O-RING: SILICON RUBBER
5. CONTACTS TYPE: SOLDER TYPE



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

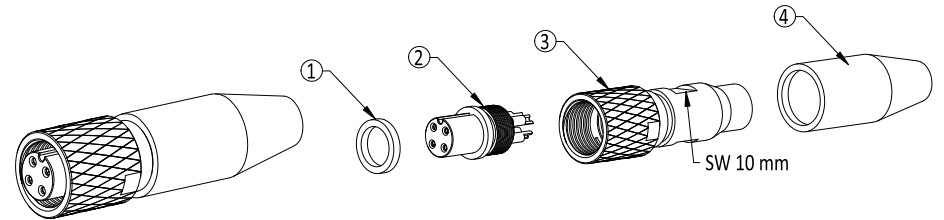
MECHANICAL CHARACTERISTIC:
1. MATING CYCLES: 100 INSERTIONS
2. WATERPROOF RATE: IP67
3. CABLE OD: Ø7.5mm MAX.

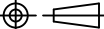
ENVIRONMENT:
1. TEMPERATURE RANGE: -25°C TO +85°C



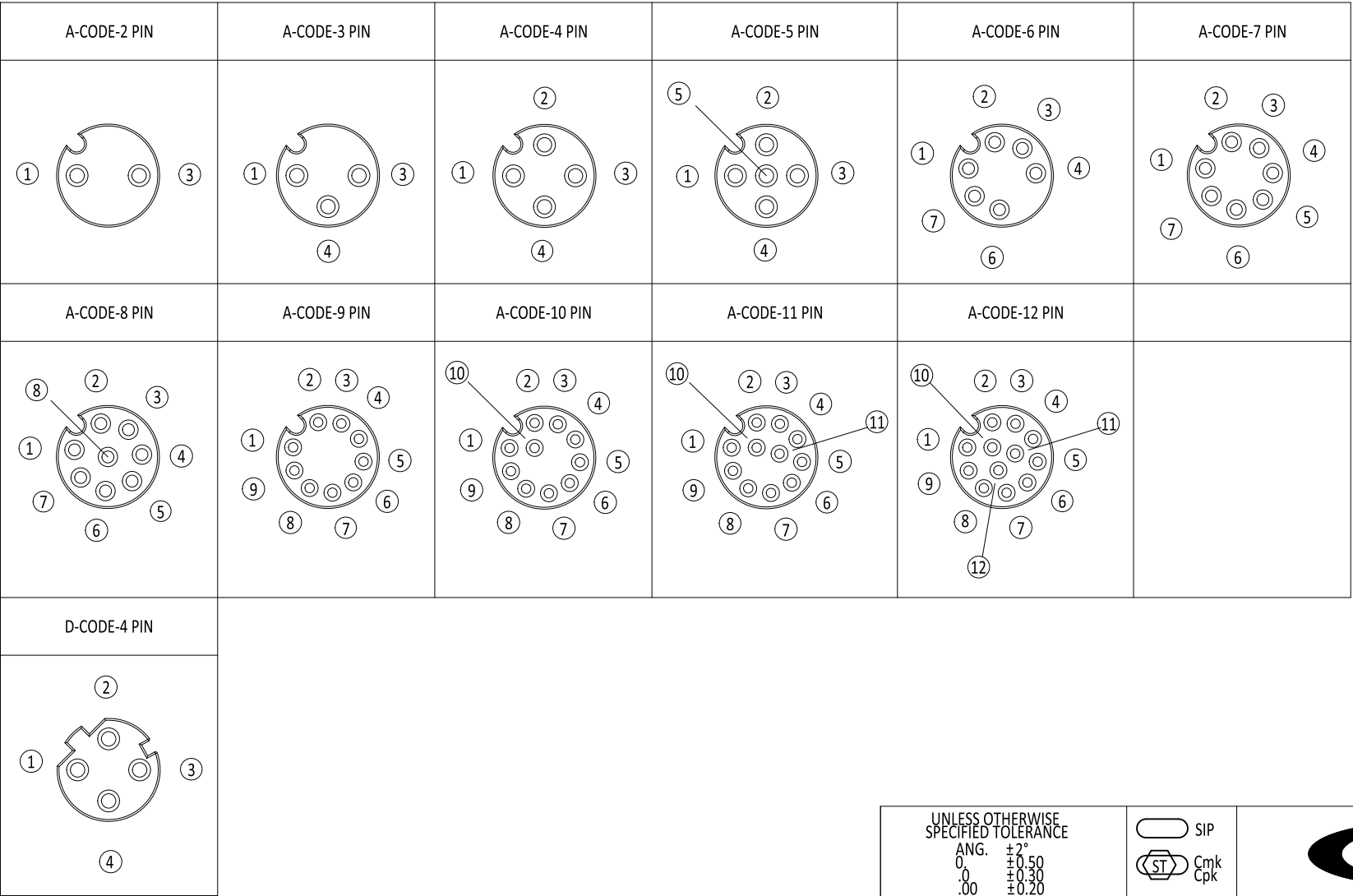
STANDARD/REGULATION: M12 CONNECTOR IEC 61076-2-101

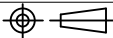
CONTACTS	A-CODE 4 PIN	A-CODE 5 PIN	A-CODE 8 PIN	A-CODE 12 PIN	D-CODE 4 PIN
CONTACT FACE					
RATED VOLTAGE	250V	60V	30V	30V	250V
RATED CURRENT	4 AMPS MAX.	4 AMPS MAX.	2 AMPS MAX.	1.5 AMPS MAX.	4 AMPS MAX.
WIRE GAUGE	22/26AWG	22/26AWG	26AWG	26AWG	22/26AWG
DIELECTRIC WITHSTANDING VOLTAGE	1400 VAC / MINUTE	1000 VAC / MINUTE	650 VAC / MINUTE	250 VAC / MINUTE	1400 VAC / MINUTE
4	M1649AE04MD5301A	RUBBER BOOT		SILICON RUBBER 70°	1
3	S649AE00F00D50X3	FEMALE-MATEL SHELL PART		BRASS(C3604-EH)	1
2	S649AE04FSSD5AX3 S649AE05FSSD5AX3 S649AE08FSSD5AX3 S649AE12FSSD5AX3 S649AE04FSSD5DX3	M12 A-CODE 4 PIN(F) PLASTIC MAIN PART M12 A-CODE 5 PIN(F) PLASTIC MAIN PART M12 A-CODE 8 PIN(F) PLASTIC MAIN PART M12 A-CODE 12 PIN(F) PLASTIC MAIN PART M12 D-CODE 4 PIN(F) PLASTIC MAIN PART		PA66(6410G3) GF15% , RATED UL94V-0; BRASS(C3604-EH)	1
1	M1649AERCPD1302A	Ø6.4 mm O-RING SEAL		SILICON RUBBER	1
NO.	P/N	PARTS OF NAME		MATERIAL	Q'TY



4	54930030040	649AE04FSSD5NDA3	4	D CODE	
3	54930030030	649AE08FSSD5NAA3	8	A CODE	
2	54930030020	649AE05FSSD5NAA3	5	A CODE	
1	54930030010	649AE04FSSD5NAA3	4	A CODE	
ITEM	NEW P/N	OLD P/N	PINS	CODING	NOTE
UNLESS OTHERWISE SPECIFIED TOLERANCE ANG. ±2° 0. ±0.50 0. ±0.30 .00 ±0.20		 SIP  Cmk Cpk	 CHANT SINCERE CO.,LTD		
SCALE: AS SHOWN		UNIT: mm			
DRAWN: KEVIN_ZHENG		14 Mar 2024	TITLE: PDR- M12 A/D-CODE FEMALE CABLE END		
CHECKED: PEARL_HUNG		14 Mar 2024			
APPROVED: PEARL_HUNG		14 Mar 2024	PART NO. 5493003XXXX		C
	SIZE A4	SHEET 1/2	REV. C	CODE: GC	CUSTOMER:
7		8		10	

B7, D5, F8		C	ECN-2403011(JOLIN)NEW P/N	05MAR2024
		B	ECN-214004(RAE)ADD 12 PIN OPTION	06APR2021
		A	ECN-17C066(RLLEY)	25DEC2017
ZONE	REVISION	DESCRIPTION		DATE



UNLESS OTHERWISE SPECIFIED TOLERANCE			 SIP	 CHANT SINCERE CO.,LTD
ANG. ±2°			 Cmk Cpk	
0.	±0.50	UNIT: mm		
.0	±0.30			
.00	±0.20	TITLE: PDR- M12 A/D-CODE FEMALE CABLE END		
SCALE:	AS SHOWN			
DRAWN:	KEVIN_ZHENG	14 Mar 2024	PART NO. 5493003XXXX	C
CHECKED:	PEARL_HUNG	14 Mar 2024		
APPROVED:	PEARL_HUNG	14 Mar 2024	CODE: GC	CUSTOMER:
	SIZE A4	SHEET 2/2		
7		8	9	10

	C	ECN-2403011(JOLIN)NEW P/N	05MAR2024
B7, D5, F8	B	ECN-214004(RAE)SEE PAGE 1/2	06APR2021
	A	ECN-17C066(RLLEY)	25DEC2017
ZONE	REVISION	DESCRIPTION	DATE
1	2	3	4
			5
			6