



SPECIFICATION
MATERIAL
 Insulator: PA66, rated UL94V-0
 Contacts: Copper Alloy
 Contacts type: IDC type
 metal parts : stell with Ni plating
 Contacts plating
 Underplate: 50u"~100u" Nickel
 Contact area: 1u"~15u" gold
 Solder tails area: 100u"~200u" Ni
General Data
 standard/Regulation: M12 connector IEC 61076-2-101
 coding: A-standard
 Number of position: 4,5
 AWG Singal line: 22
 Current rating: 4 Amps max.
 Insulation resistance: 100 Mohms min @ 500 VDC
 Degree of protection: IP 67
 Temperature range: -20°C TO +85°C
 Mating cycles: 100 insertions

649 I E XX M X N D1 N X A 3
 1 2 3 4 5 6 7 8 9 10 11 12

- 1.SERIES NO.
649=M12 circular conn. Series
- 2.I=IDC Type
- 3.GREEN OPTION:
E=RoHS (Bright)
- 4.CONTACT NUMBER:
04=4 PINS
05=5 PINS
- 5.CONTACT TYPE:
M=MALE
- 6.CONTACT AREA PLATING:
S=1u" GOLD
- 7.SOLDER TAILS AREA PLATING:
N=100u"~200u" Ni
- 8.APPLY TYPE:
D1=CABLE END
- 9.SHELL PLATING:
N=100u"~200u" Ni PLATED
- 10.CODING:
A=A CODE
D=D CODE
- 11.PACKING STYLE:
A=TRAY
- 12.INSULATOR COLOR:
3=Black

5	S649IE00P00P1AA3	Rear nut	PA66/NBR	1	
4	M1649AERCPD1303A	cable ring seal	NBR	1	
3	M4649AE40ND1E01A	Clamping ring	steel with Ni plating	1	
2	M1649AEW2PD1303A	4,5 pin wire holder	PA66	1	
1	S649IE05MSND1AA3 S649IE04MSND1AA3	M12-4,55pin male body IDC type	PA66,Copper alloy	1	
No.	P/N	Parts Name	Material	Q'ty	Remark

UNLESS OTHERWISE SPECIFIED TOLERANCE

ANG.	± 5°
0.	± 0.5
.0	± 0.3
.00	± 0.2

SCALE: AS SHOWN UNIT: mm



CHANT SINCERE CO.,LTD
 TEL:886-02-86471251 FAX:886-02-86472962

DRAWN NAME: M12-4, 5pin male conn. IDC type

REV.	DESCRIPTION	DATE	SIZE	REV.
			A4	B

PRODUCT NO.	649IEXXMXND1NXA3
FILE NAME:	649IEXXMXND1NXA3