



REV	DESCRIPTION	DATE	APPROVED
S0	CREATED DRAWING	2014/10/30	ZERA
S1	CREATED DRAWING	2018/05/19	YMX
S2	CREATED DRAWING	2018/06/07	CYF

Detailed Product Description:
 Waterproof connector rating is IP67/IP68
 Protected from dust and water during immersion,
 resistant to many oils and chemical etc

Electrical character
 Rating voltage: 48V AC/DC
 Insulation resistance: >100MΩ
 Rating current : 0.5A
 Contact resistance ≤5mΩ
 Mechanical characteristics: mating / cycle >500 cycle

Other Specification
 Contact Pin: Brass with Gold plating 1u''
 Coupling nut/screw/shell: Brass with nickel plating
 Insulation plastic: PA66+GF
 Degree of protection: IP67/IP68
 Operating temperature: -40°C ~ +85°C

*ALL MATERIALS ARE RoHS COMPLIANT.

ITEM	PART NO.	SPECIFICATION	Q'TY	UNIT
⑦	OR00012	O-RING GREEN $\phi 7.0 \times \phi 1.5 \text{mm}$	1	PCS
⑥	TE00171	M12-X $\phi 0.6$ socket, phosphor bronze plated of gold 1u''	8	PCS
⑤	WK00125	M12-X receptacle severed, brass plated of ni $\phi 11.1 \times 17.55 \text{mm}$	1	PCS
④	NU00002	M16 Brass plated ni NUT L*W=2.8*18mm	1	PCS
③	CN00169	M12-X FEMALE CONNECTOR $\phi 8.9 \times 18.85$	1	PCS
②	OR00008	O-RING GREEN $\phi 13.0 \times \phi 2.0 \text{mm}$	1	PCS
①	WK00117	M12-X FEMALE FRONT MOUNT SHELL L=18mm	1	PCS

SIGNAL®
 ShenZhen Signal Electronics co.,Ltd

DRAWN BY: _____ DATE: _____
 CHECKED BY: _____ DATE: _____
 APPROVED BY: _____ DATE: _____

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TITLE M12 X CODING 8P/F FORNT MOUNT CONNECTOR		REV.
SGN NO	120708-04-001	S2
DWG NO	PM12FXF08001	
CUSTOMER		
TOLERANCES ARE:	THIRD ANGLE PROJECTION	
DECIMALES	ANGLES	
.x ±0.5	x: ±2.0°	SIZE: A4 UNITS: mm
.xx ±0.20	.x: ±1.0°	SCALE: SHEET: 1 OF 1