

REV.		ECN NO.		DATE		SIGN		DESCRIPTION	
A		Initial Release		2015/10/09		Mila		Change Rev.01 To Rev.A	

ALTW

CONFIDENTIAL

2015-10-09

R&D DEPT.

Connector

Female Nut

Nut

O-ring

Clamp Ring

Seal

Sealing Nut

Pin Assignments

Front View

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Amphenol

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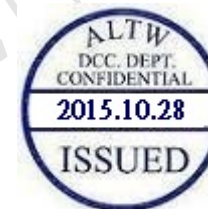
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M 12D - 04 B F F B - S L 7 001

12D: D-Code

04: 4Pin

B: Without S/R(無網尾)

F: Female Connector(母座)

F: Female Pin(母Pin)

001: Without Cable

7: IP67(防水等級67)

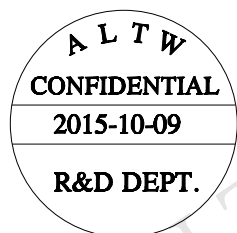
L: Straight(180°)

S: Screw(螺紋式)

B: Screw in Type(組裝式)

Note:

- * Important Dimension To Check.
- * Waterproof Rate: IP67
- * Housing: Nylon, Black
- * Female Pin: Copper Alloy, Gold Plated
- * Female Nut: Zinc Alloy, Nickel Plated
- * Nut: PBT+PC, Black
- * O-Ring: Silicon, Grey
- * Clamp Ring: Nylon, Black
- * Sealing Nut: PBT+PC, Black
- * Seal: Silicon, Grey
- * Seal For Cable OD: $\varnothing 4.0\text{mm} \sim \varnothing 8.0\text{mm}$
- * Screws for Wire connection recommended
tightening torque: $0.61 \sim 0.84 \text{ kgf.cm} / 0.059 \sim 0.082 \text{ N.m}$
- * Applicable Wire gauge (Stranded wire cross section)
 $0.14\text{mm}^2 (26\text{AWG}) \sim 0.82\text{mm}^2 (18\text{AWG})$
- * Mating Recommended tightening torque:
 $3 \sim 4 \text{ kgf.cm} / 0.29 \sim 0.39 \text{ N.m}$
- * Sealing-Nut Recommended tightening torque:
 $4 \sim 6 \text{ kgf.cm} / 0.39 \sim 0.59 \text{ N.m}$
- * Detailed applicable wire specifications may vary
depending on the actual wire construction.



UNIT:mm				TITLE		ITEM NO		DRAWN BY		DATE	
TOLERANCE				MI2 D-Code Unshielded Assy 4PIN F Conn. F Pin		MI2D-04BFFB-SL7001		Mila		2015-10-09	
$\pm 0.5\text{mm}$				SCALE	1:1	SIZE	A4	SHEET	2	OF	2
				REV.	A	WC-REV.	A.2	Inspection item		CHECKED BY	
								Cary		DATE	
						CUSTOMER		APPROVED BY		DATE	
						ALTW		Jerry		2015-10-09	

Amphenol LTW
安費諾亮泰企業股份有限公司