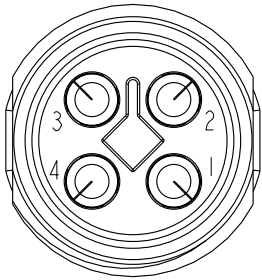
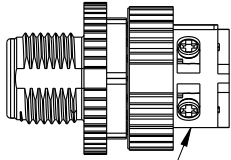
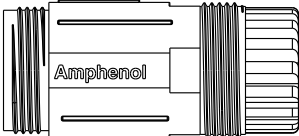
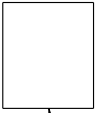
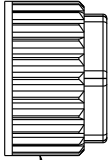
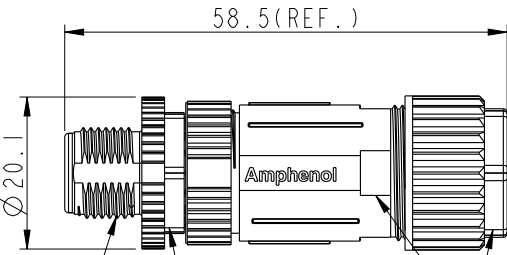


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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------|--|-------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------|--|-----------------------|--|
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | 2                                                                                                                                                                       |  | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | 4                                                                                                    |  | 5                                                                                                                          |  | 6                             |  | 7                                                                                                                                |  | 8                     |  |
| <div><div>ALTW<br/>CONFIDENTIAL<br/>2015-03-26<br/>R&amp;D DEPT.</div><div>ALTW<br/>DCC. DEPT.<br/>CONFIDENTIAL<br/>2015.05.21<br/>ISSUED</div><div><div>Pin Assignments<br/>Front View</div></div><td colspan="2">REV.</td><td colspan="2">ECN NO.</td><td colspan="2">DATE</td><td colspan="2">SIGN</td><td colspan="4">DESCRIPTION</td></div> |  |                                                                                                                                                                         |  | REV.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | ECN NO.                                                                                              |  | DATE                                                                                                                       |  | SIGN                          |  | DESCRIPTION                                                                                                                      |  |                       |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                                                                         |  | A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | Initial Release                                                                                      |  | 2015-03-26                                                                                                                 |  | Cary                          |  | Change Rev. 01 to Rev.A                                                                                                          |  |                       |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                                                                         |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                      |  |                                                                                                                            |  |                               |  |                                                                                                                                  |  |                       |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                                                                         |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                      |  |                                                                                                                            |  |                               |  |                                                                                                                                  |  |                       |  |
| <div><div>Connector 1</div><div>Male Nut 2</div><div>Nut 3</div></div>                                                                                                                                                                                                                                                                            |  |                                                                                                                                                                         |  | <div><div>4</div><div>Clamp Ring</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                                                      |  | <div><div>5</div><div>Seals</div></div> |  |                               |  | <div><div>6</div><div>Sealing Nut</div></div> |  |                       |  |
| <div><div>58.5(REF.)</div><div>20.1</div><div>M12*1.0</div><div>16Hex.<br/>(Metal Nut)</div><div>17Hex.</div></div>                                                                                                                                                                                                                             |  |                                                                                                                                                                         |  | <div>Note:<ul style="list-style-type: none"><li>*  Important Dimension To Check.</li><li>* Waterproof Rate: IP67</li><li>* Housing:Nylon, UL94V-0, Black</li><li>* Male Pin: Copper Alloy, Gold Plated</li><li>* Male Nut: Zinc Alloy, Nickel Plated</li><li>* O-Ring: Silicone,UL94V-0,Gray</li><li>* Clamp Ring: Nylon,UL94V-0,Black</li><li>* Sealing Nut: PBT, Black</li><li>* Seals: Silicone, UL94V-0,Gray</li><li>* Rated Voltage: 60V DC.</li><li>* Rated Current at 40°C: 12A</li><li>* Operation Temperature: -40~105℃.</li><li>* Seal For Cable Range OD:Ø8.0mm~Ø10.0mm, 16AWG</li><li>* Screws for Wire connection recommended tightening torque: 0.61~0.84 kgf.cm / 0.059~0.082 N.m</li><li>* Applicable Wire gauge (Stranded wire cross section) 0.52mm2 (20AWG) ~ 1.31mm2 (16AWG)</li><li>* Mating Recommended tightening torque: 3~4 kgf.cm / 0.29~0.39 N.m</li><li>* Sealing-Nut Recommended tightening torque: 4~6 kgf.cm / 0.39~0.59 N.m</li><li>* Detailed applicable wire specifications may vary depending on the actual wire construction.</li></ul></div> |  |                                                                                                      |  |                                                                                                                            |  |                               |  |                                                                                                                                  |  |                       |  |
| UNIT:mm                                                                                                                                                                                                                                                                                                                                                                                                                            |  |   |  | TITLE<br>M12 T Code 4Pin M Conn. ASSY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                                                                      |  | Amphenol LTW<br>安費諾亮泰企業股份有限公司                                                                                              |  | ITEM NO<br>M12T-04BMMB-SL7002 |  | DRAWN BY<br>Cary                                                                                                                 |  | DATE<br>2015-03-26    |  |
| TOLERANCE<br>.X ±0.25<br>.XX ±0.1<br>.XXX ±0.05<br>ANGLES ±1°                                                                                                                                                                                                                                                                                                                                                                      |  | SCALE<br>1:1                                                                                                                                                            |  | SIZE<br>A4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | SHEET<br>1 OF 1                                                                                      |  |                                                                                                                            |  | DWG NO<br>M12T-04BMMB-SL7002  |  | CHECKED BY<br>Lu Di                                                                                                              |  | DATE<br>2015-03-26    |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | REV.<br>A                                                                                                                                                               |  | WC-REV.<br>.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  :Inspection item |  |                                                                                                                            |  | CUSTOMER<br>ALTW              |  | APPROVED BY<br>Jerry                                                                                                             |  | DATE<br>2015-03-26    |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | 2                                                                                                                                                                       |  | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | 4                                                                                                    |  | 5                                                                                                                          |  | 6                             |  | 7                                                                                                                                |  | 8<br>FMW10702-01-02A1 |  |