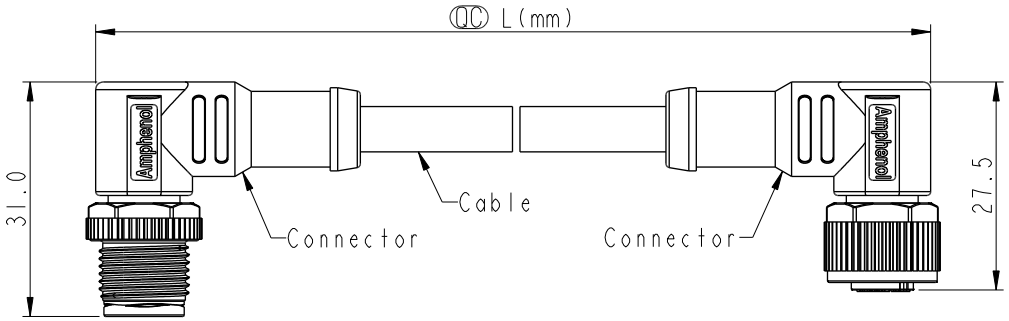
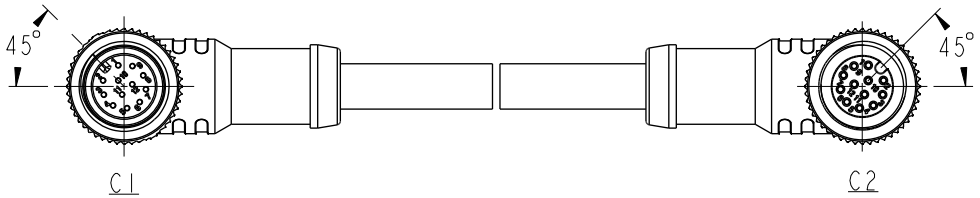
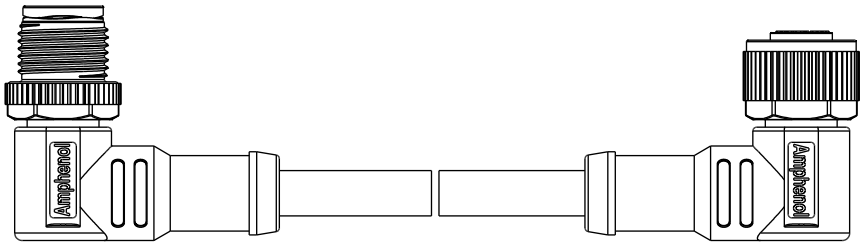
| REV. | ECN NO. | DATE | SIGN | DESCRIPTION |
|---|---|---|---|---|
| B | C201781 | 2020/11/11 | Ruru | B X5 |
| C | C210232 | 2021/04/06 | Vicky | C X4 |
| | | | | |




B C

Note:

* RoHS Compliant
* QC Important dimension
* C1
  Waterproof rate: IPX8, mated 1m/24h
  IPX9K, mated
  Housing: Thermoplastic, Black
  Pin: Copper alloy, Gold plated
  Nut: Thermoplastic, Black
  Outer Mold: Thermoplastic, Black
* C2
  Waterproof rate: IPX8, mated 1m/24h
  IPX9K, mated
  Housing: Thermoplastic, Black
  Pin: Copper alloy, Gold plated
  O-Ring: Rubber, Green
  Nut: Thermoplastic, Black
  Outer Mold: Thermoplastic, Black
* Cable: UL2517, PVC Jacket, Black
* Cable Length Tolerance: 0.5M < L ≤ 1M: +60/-0 mm
  1M < L ≤ 3M: +120/-0 mm
  3M < L ≤ 5M: +160/-0 mm
  5M < L ≤ 10M: ±100 mm
  10M < L ≤ 20M: ±200 mm
  20M < L ≤ 30M: ±300 mm
  30M < L ≤ 99M: ±500 mm

| | | | | | |
|---|---|---|---|---|---|
| UNIT: mm | TITLE: ACC, SEN, A Code, DB-ENDED MF C | Amphenol LTW 安費諾亮泰企業股份有限公司 | ITEM NO | DRAWN BY: Vicky | DATE: 2018-12-07 |
| TOLERANCE: ±0.5mm | SCALE: 1:2 / SIZE: A4 / SHEET 1 OF 2 | | DWG NO: B MSAPXXMR-SAPFR-SDXXX | CHECKED BY: Rita | DATE: 2018-12-07 |
| | REV. C / WC-REV. | QC: Inspection item | CUSTOMER: ALTW | APPROVED BY: Max | DATE: 2018-12-07 |

W10814-03-[illegible]01A2

THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE. IT IS CONFIDENTIAL AND A PROPERTY OF Amphenol LTW. DISCLOSURE TO THIRD PARTY HAS TO BE AUTHORIZED BY Amphenol LTW.

△B

MSAPXXMR-SAPFR-SDXXX

XX: No. Of Pin

XXX: 0.5~99Meters
A05: 0.5 Meter
1: 01 Meter
2: 02 Meters
:
99: 99 Meters

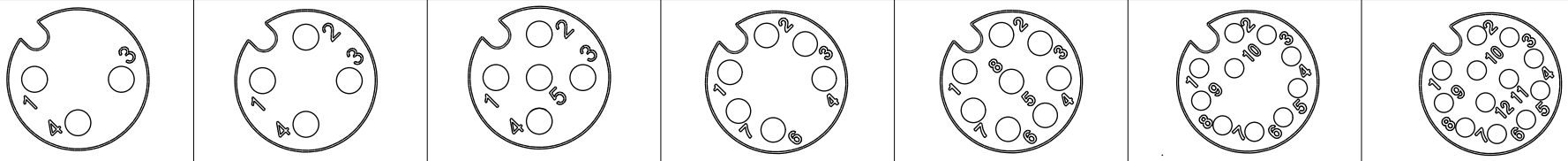
| Contacts | Cable OD | AWG | Item No. |
|---|---|---|---|
| 12P | 6.0 | 26 | MSAP12MR-SAPFR-SDXXX |
| 10P | | | MSAP10MR-SAPFR-SDXXX |
| 8P | 5.5 | 24 | MSAP08MR-SAPFR-SDXXX |
| 6P | 5.0 | | MSAP06MR-SAPFR-SDXXX |
| 5P | 5.1 | 22 | MSAP05MR-SAPFR-SDXXX |
| 4P | 4.8 | | MSAP04MR-SAPFR-SDXXX |
| 3P | 4.5 | | MSAP03MR-SAPFR-SDXXX |

△B △C

Pin Out

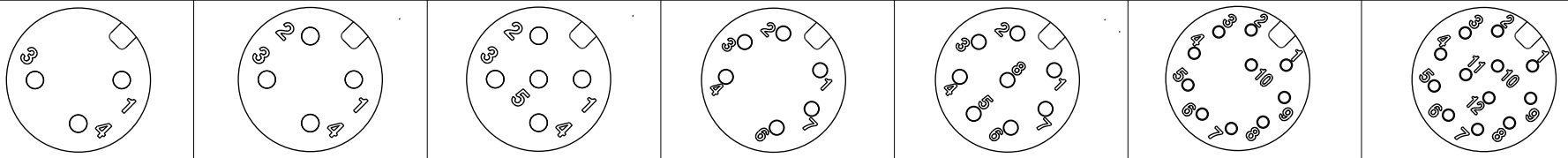
| Pin # | Wire | | Pin # | Wire | | Pin # | Wire | | Pin # | Wire | | Pin # | Wire | | Pin # | Wire | | Pin # | Wire | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | -- | | 5 | -- | | 5 | Gray | 灰 | 8 | -- | | 8 | Red | 紅 | 12 | -- | | 12 | Red/Blue | 紅/藍 |
| 4 | Black | 黑 | 4 | Black | 黑 | 4 | Black | 黑 | 7 | Blue | 藍 | 7 | Blue | 藍 | 11 | -- | | 11 | Gray/Pink | 灰/粉 |
| 3 | Blue | 藍 | 3 | Blue | 藍 | 3 | Blue | 藍 | 6 | Pink | 粉 | 6 | Pink | 粉 | 10 | Violet | 紫 | 10 | Violet | 紫 |
| 2 | -- | | 2 | White | 白 | 2 | White | 白 | 5 | -- | | 5 | Gray | 灰 | 9 | Black | 黑 | 9 | Black | 黑 |
| 1 | Brown | 棕 | 1 | Brown | 棕 | 1 | Brown | 棕 | 4 | Yellow | 黃 | 4 | Yellow | 黃 | 8 | Red | 紅 | 8 | Red | 紅 |
| | | | | | | | | | 3 | Green | 綠 | 3 | Green | 綠 | 7 | Blue | 藍 | 7 | Blue | 藍 |
| | | | | | | | | | 2 | Brown | 棕 | 2 | Brown | 棕 | 6 | Pink | 粉 | 6 | Pink | 粉 |
| | | | | | | | | | 1 | White | 白 | 1 | White | 白 | 5 | Gray | 灰 | 5 | Gray | 灰 |
| | | | | | | | | | | | | | | | 4 | Yellow | 黃 | 4 | Yellow | 黃 |
| | | | | | | | | | | | | | | | 3 | Green | 綠 | 3 | Green | 綠 |
| | | | | | | | | | | | | | | | 2 | Brown | 棕 | 2 | Brown | 棕 |
| | | | | | | | | | | | | | | | 1 | White | 白 | 1 | White | 白 |

C2



3P 4P 5P 6P 8P 10P 12P

C1



3P 4P 5P 6P 8P 10P 12P

Pin Assignments Front View

UNIT: mm

TOLERANCE ±0.5mm

TITLE: ACC, SEN, A Code, DB-ENDED MF △C

SCALE 1:2 | SIZE A4 | SHEET 2 OF 2

REV. C | WC-REV.

QC: Inspection item

**Amphenol LTW**

安費諾亮泰企業股份有限公司

| | | |
|---|---|---|
| ITEM NO | DRAWN BY Vicky | DATE 2018-12-07 |
| DWG NO △B MSAPXXMR-SAPFR-SDXXX | CHECKED BY Rita | DATE 2018-12-07 |
| CUSTOMER ALTW | APPROVED BY Max | DATE 2018-12-07 |

W10814-03-[illegible]01A2

THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE. IT IS CONFIDENTIAL AND A PROPERTY OF Amphenol LTW. DISCLOSURE TO THIRD PARTY HAS TO BE AUTHORIZED BY Amphenol LTW.