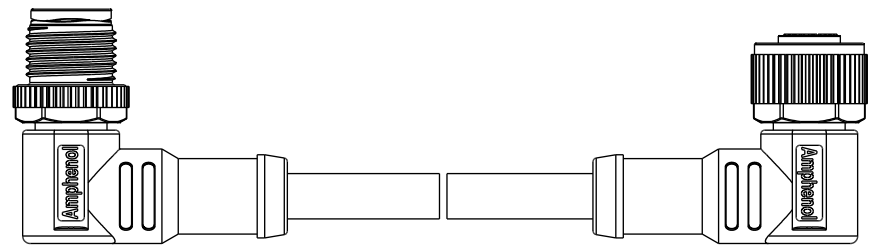
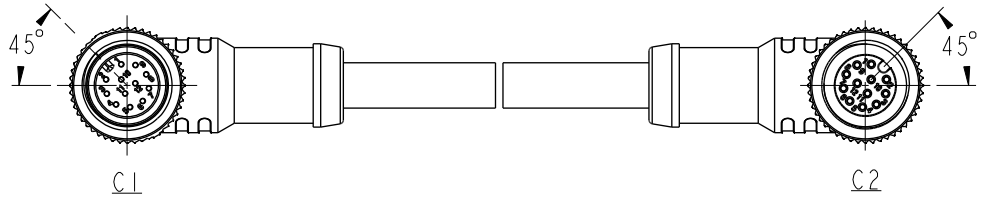
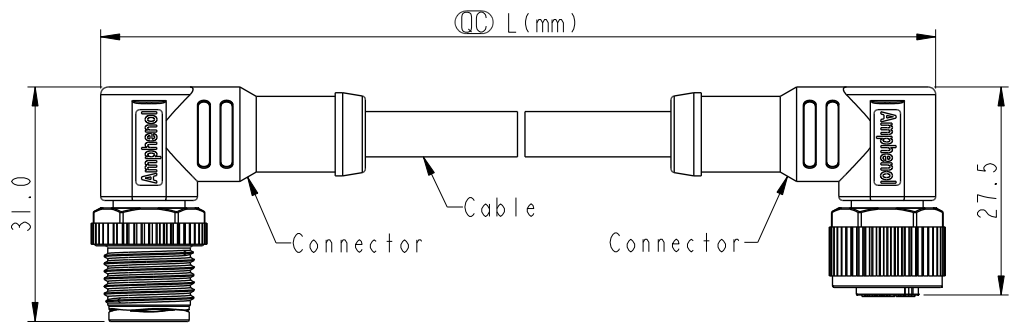


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REV.	ECN NO.	DATE	SIGN	DESCRIPTION
B	C201781	2020/11/11	Ruru	\triangle_B X5
C	C210232	2021/04/06	Vicky	\triangle_C X4
D	C230019	2023/01/06	Vicky	\triangle_D X2



\triangle_B \triangle_C
Note:

- * RoHS Compliant
- * \odot Important dimension
- * C1

\triangle_D Waterproof rate: IP68, mated 1m/24h
IP69K, mated
Housing: Thermoplastic, Black
Pin: Copper alloy, Gold plated
Nut: Thermoplastic, Black
Outer Mold: Thermoplastic, Black

* C2
 \triangle_D

Waterproof rate: IP68, mated 1m/24h
IP69K, 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

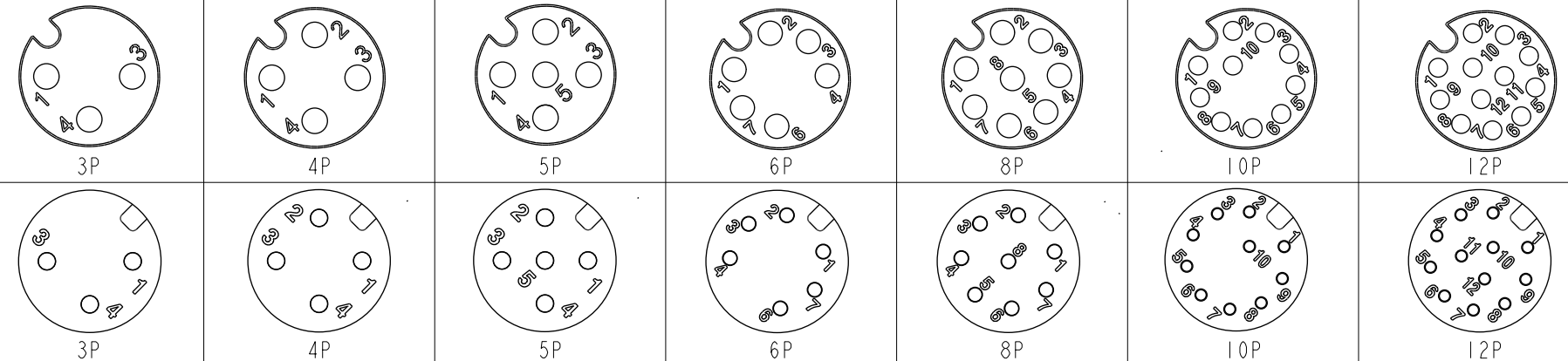
UNIT: mm		TITLE	ACC, SEN, A Code, DB-ENDED \triangle_C
TOLERANCE	± 0.5 mm	SCALE	1:2
		SIZE	A4
		SHEET	1 OF 2
		REV.	D
		WC-REV.	
		\odot	Inspection item

Amphenol LTW
安費諾亮泰企業股份有限公司




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

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 MSAPXXMR-SAPFR-SDXXX XX: No. Of Pin																																
			XXX: 0.5~99Meters A05: 0.5 Meter 1: 01 Meter 2: 02 Meters : 99: 99 Meters				<table border="1" style="border-collapse: collapse; width: 80%;"> <tr> <td>12P</td> <td rowspan="2">6.0</td> <td rowspan="2">26</td> <td>MSAP12MR-SAPFR-SDXXX</td> </tr> <tr> <td>10P</td> <td>MSAP10MR-SAPFR-SDXXX</td> </tr> <tr> <td>8P</td> <td rowspan="2">5.5</td> <td rowspan="2">24</td> <td>MSAP08MR-SAPFR-SDXXX</td> </tr> <tr> <td>6P</td> <td>MSAP06MR-SAPFR-SDXXX</td> </tr> <tr> <td>5P</td> <td rowspan="3">5.1</td> <td rowspan="3">22</td> <td>MSAP05MR-SAPFR-SDXXX</td> </tr> <tr> <td>4P</td> <td>MSAP04MR-SAPFR-SDXXX</td> </tr> <tr> <td>3P</td> <td>MSAP03MR-SAPFR-SDXXX</td> </tr> <tr> <td>Contacts</td> <td>Cable OD</td> <td>AWG</td> <td>Item No.</td> </tr> </table>	12P	6.0	26	MSAP12MR-SAPFR-SDXXX	10P	MSAP10MR-SAPFR-SDXXX	8P	5.5	24	MSAP08MR-SAPFR-SDXXX	6P	MSAP06MR-SAPFR-SDXXX	5P	5.1	22	MSAP05MR-SAPFR-SDXXX	4P	MSAP04MR-SAPFR-SDXXX	3P	MSAP03MR-SAPFR-SDXXX	Contacts	Cable OD	AWG	Item No.	
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	Pin Out	<table border="1" style="border-collapse: collapse; width: 100%;"> <tr> <th>Pin #</th> <th>Wire</th> <th>Wire</th> </tr> <tr> <td>5</td> <td>--</td> <td>--</td> </tr> <tr> <td>4</td> <td>Black</td> <td>黑</td> </tr> <tr> <td>3</td> <td>Blue</td> <td>藍</td> </tr> <tr> <td>2</td> <td>--</td> <td>--</td> </tr> <tr> <td>1</td> <td>Brown</td> <td>棕</td> </tr> </table>	Pin #	Wire	Wire	5	--	--	4	Black	黑	3	Blue	藍	2	--	--	1	Brown	棕	<table border="1" style="border-collapse: collapse; width: 100%;"> <tr> <th>Pin #</th> <th>Wire</th> <th>Wire</th> </tr> <tr> <td>5</td> <td>--</td> <td>--</td> </tr> <tr> <td>4</td> <td>Black</td> <td>黑</td> </tr> <tr> <td>3</td> <td>Blue</td> <td>藍</td> </tr> <tr> <td>2</td> <td>White</td> <td>白</td> </tr> <tr> <td>1</td> <td>Brown</td> <td>棕</td> </tr> </table>	Pin #	Wire	Wire	5	--	--	4	Black	黑	3	Blue	藍	2	White	白	1	Brown	棕	<table border="1" style="border-collapse: collapse; width: 100%;"> <tr> <th>Pin #</th> <th>Wire</th> <th>Wire</th> </tr> <tr> <td>5</td> <td>Gray</td> <td>灰</td> </tr> <tr> <td>4</td> <td>Black</td> <td>黑</td> </tr> <tr> <td>3</td> <td>Blue</td> <td>藍</td> </tr> <tr> <td>2</td> <td>White</td> <td>白</td> </tr> <tr> <td>1</td> <td>Brown</td> <td>棕</td> </tr> </table>	Pin #	Wire	Wire	5	Gray	灰	4	Black	黑	3	Blue	藍	2	White	白	1	Brown	棕	<table border="1" style="border-collapse: collapse; width: 100%;"> <tr> <th>Pin #</th> <th>Wire</th> <th>Wire</th> </tr> <tr> <td>8</td> <td>--</td> <td>--</td> </tr> <tr> <td>7</td> <td>Blue</td> <td>藍</td> </tr> <tr> <td>6</td> <td>Pink</td> <td>粉</td> </tr> <tr> <td>5</td> <td>--</td> <td>--</td> </tr> <tr> <td>4</td> <td>Yellow</td> <td>黃</td> </tr> <tr> <td>3</td> <td>Green</td> <td>綠</td> </tr> <tr> <td>2</td> <td>Brown</td> <td>棕</td> </tr> <tr> <td>1</td> <td>White</td> <td>白</td> </tr> </table>	Pin #	Wire	Wire	8	--	--	7	Blue	藍	6	Pink	粉	5	--	--	4	Yellow	黃	3	Green	綠	2	Brown	棕	1	White	白	<table border="1" style="border-collapse: collapse; width: 100%;"> <tr> <th>Pin #</th> <th>Wire</th> <th>Wire</th> </tr> <tr> <td>8</td> <td>Red</td> <td>紅</td> </tr> <tr> <td>7</td> <td>Blue</td> <td>藍</td> </tr> <tr> <td>6</td> <td>Pink</td> <td>粉</td> </tr> <tr> <td>5</td> <td>Gray</td> <td>灰</td> </tr> <tr> <td>4</td> <td>Yellow</td> <td>黃</td> </tr> <tr> <td>3</td> <td>Green</td> <td>綠</td> </tr> <tr> <td>2</td> <td>Brown</td> <td>棕</td> </tr> <tr> <td>1</td> <td>White</td> <td>白</td> </tr> </table>	Pin #	Wire	Wire	8	Red	紅	7	Blue	藍	6	Pink	粉	5	Gray	灰	4	Yellow	黃	3	Green	綠	2	Brown	棕	1	White	白	<table border="1" style="border-collapse: collapse; width: 100%;"> <tr> <th>Pin #</th> <th>Wire</th> <th>Wire</th> </tr> <tr> <td>12</td> <td>--</td> <td>--</td> </tr> <tr> <td>11</td> <td>--</td> <td>--</td> </tr> <tr> <td>10</td> <td>Violet</td> <td>紫</td> </tr> <tr> <td>9</td> <td>Black</td> <td>黑</td> </tr> <tr> <td>8</td> <td>Red</td> <td>紅</td> </tr> <tr> <td>7</td> <td>Blue</td> <td>藍</td> </tr> <tr> <td>6</td> <td>Pink</td> <td>粉</td> </tr> <tr> <td>5</td> <td>Gray</td> <td>灰</td> </tr> <tr> <td>4</td> <td>Yellow</td> <td>黃</td> </tr> <tr> <td>3</td> <td>Green</td> <td>綠</td> </tr> <tr> <td>2</td> <td>Brown</td> <td>棕</td> </tr> <tr> <td>1</td> <td>White</td> <td>白</td> </tr> </table>	Pin #	Wire	Wire	12	--	--	11	--	--	10	Violet	紫	9	Black	黑	8	Red	紅	7	Blue	藍	6	Pink	粉	5	Gray	灰	4	Yellow	黃	3	Green	綠	2	Brown	棕	1	White	白	<table border="1" style="border-collapse: collapse; width: 100%;"> <tr> <th>Pin #</th> <th>Wire</th> <th>Wire</th> </tr> <tr> <td>12</td> <td>Red/Blue</td> <td>紅/藍</td> </tr> <tr> <td>11</td> <td>Gray/Pink</td> <td>灰/粉</td> </tr> <tr> <td>10</td> <td>Violet</td> <td>紫</td> </tr> <tr> <td>9</td> <td>Black</td> <td>黑</td> </tr> <tr> <td>8</td> <td>Red</td> <td>紅</td> </tr> <tr> <td>7</td> <td>Blue</td> <td>藍</td> </tr> <tr> <td>6</td> <td>Pink</td> <td>粉</td> </tr> <tr> <td>5</td> <td>Gray</td> <td>灰</td> </tr> <tr> <td>4</td> <td>Yellow</td> <td>黃</td> </tr> <tr> <td>3</td> <td>Green</td> <td>綠</td> </tr> <tr> <td>2</td> <td>Brown</td> <td>棕</td> </tr> <tr> <td>1</td> <td>White</td> <td>白</td> </tr> </table>	Pin #	Wire	Wire	12	Red/Blue	紅/藍	11	Gray/Pink	灰/粉	10	Violet	紫	9	Black	黑	8	Red	紅	7	Blue	藍	6	Pink	粉	5	Gray	灰	4	Yellow	黃	3	Green	綠	2	Brown	棕	1	White	白
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Pin Assignments Front View

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