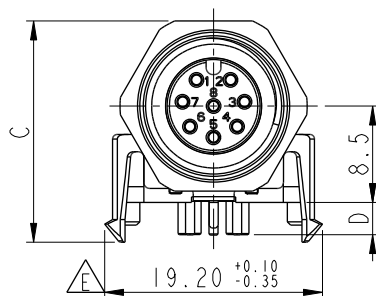


Recommended
Panel Cut-Out

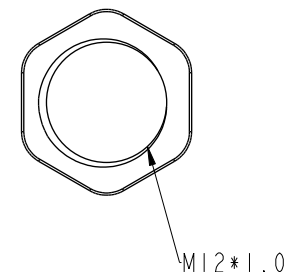
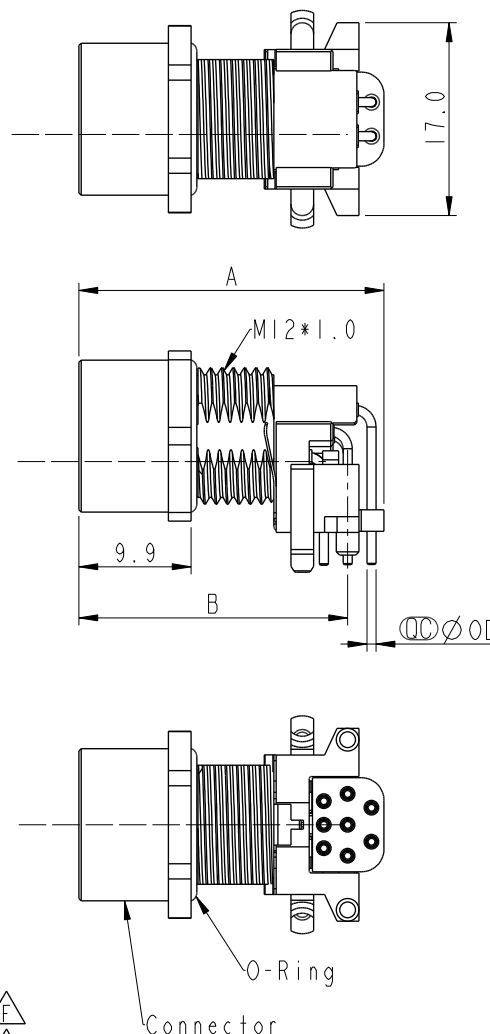


MSAS-XXPFFR-SH7003

XX: No. Of Pin—

This connector design is for pin:3 ~ 8

MSAS-03PFFR-SH7003	26.9	23.7	19.2	2.52	1.0
MSAS-04PFFR-SH7003	26.9	23.7	19.2	2.52	1.0
MSAS-05PFFR-SH7003	26.9	23.7	19.2	2.52	1.0
MSAS-08PFFR-SH7003	26.7	23.7	19.2	2.87	0.8
MSAS-12PFFR-SH7003	28.9	23.7	19.5	3.1	0.6
MSAS-17PFFR-SH7003	30.4	25.5	19.6	3.7	0.6
Item No.	A	B	C	D	OD



Note:

- * RoHS Compliant
- *  Important dimension
-  * Waterproof rate: IP67, mated
- * Connector
 - Housing: Thermoplastic, Black
 - Pin: Copper alloy, Gold plated
 - Gasket: Rubber, Black
 - Shield: Metal
 - Nut: Metal
 - O-Ring: Rubber, Gray
- * For panel thickness max: 3.0mm
- * For pcb thickness max: 1.6mm
-  * The Nut Is Packed Separately In The Bag

Housing: Thermoplastic, Black
Pin: Copper alloy, Gold plated
Gasket: Rubber, Black
Shield: Metal
Nut: Metal
O-Ring: Rubber, Gray

- * For panel thickness max: 3.0mm
- * For pcb thickness max: 1.6mm

* The Nut Is Packed Separately In The Bag

UNIT: mm

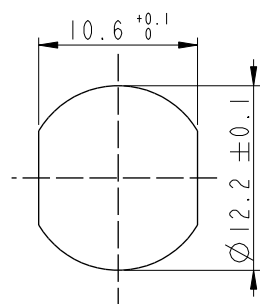
TOLERANCE	
.X	± 0.25
.XX	± 0.1
.XXX	± 0.05
ANGLES	$\pm 1^\circ$

TITLE	N SEN, M12 A, SCREW			
	RECEPTACLE, F. F. PCB R			

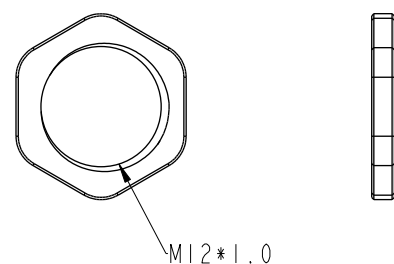
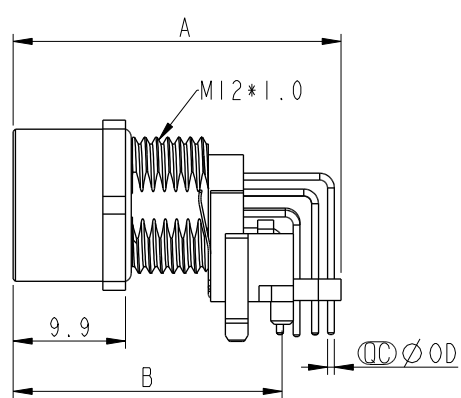
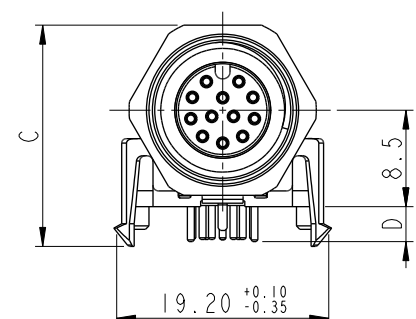
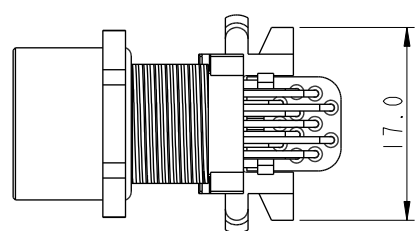
SCALE 3:2	SIZE A4	SHEET 1 OF 4
REV. G	WC-REV. A.3	QC: Inspection item

Amphenol LTW
安費諾亮泰企業股份有限公司

ITEM NO	DRAWN BY	DATE
	Vicky	2025-10-27
DWG NO	CHECKED BY	DATE
MSAS-XXPFFR-SH7003	Ruru	2025-10-27
CUSTOMER	APPROVED BY	DATE
ALTW	Rita	2025-10-27



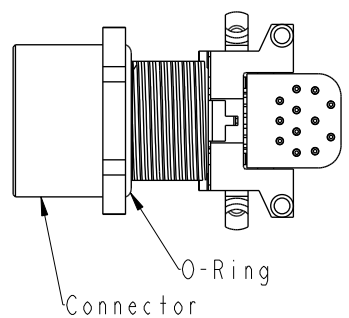
Recommended
Panel Cut-Out



MSAS-XXPFFR-SH7003

XX: No. Of Pin

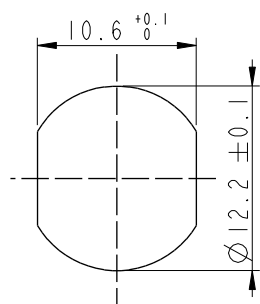
This connector design is for pin:12



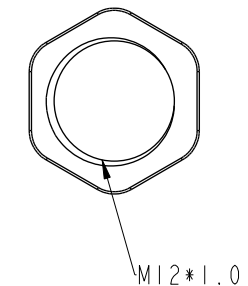
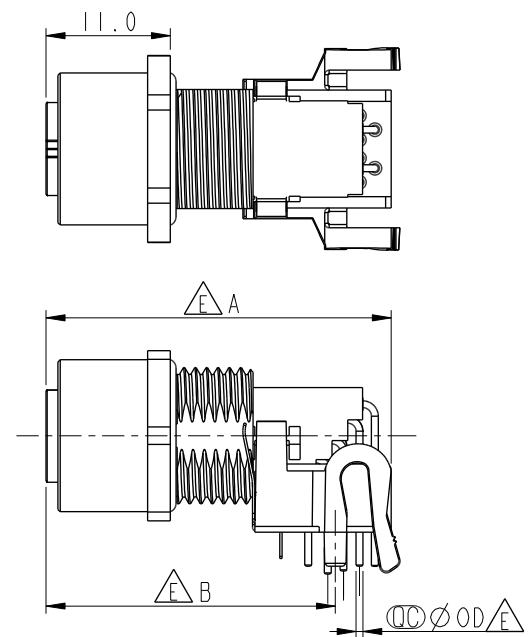
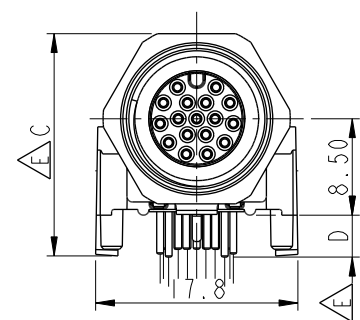
- Note:
- * RoHS Compliant
 - * (C) Important dimension
 - * Waterproof rate: IP67, mated
 - * Connector
 - Housing: Thermoplastic, Black
 - Pin: Copper alloy, Gold plated
 - Gasket: Rubber, Black
 - Shield: Metal
 - Nut: Metal
 - O-Ring: Rubber, Gray
 - * For panel thickness max: 3.0mm
 - * For pcb thickness max: 1.6mm
 - * (G) The Nut Is Packed Separately In The Bag

UNIT:mm						TITLE N SEN, M12 A, SCREW RECEPTACLE, F, F, PCB R			Amphenol LTW 安費諾亮泰企業股份有限公司			ITEM NO		DRAWN BY Vicky		DATE 2025-10-27	
TOLERANCE .X ±0.25 .XX ±0.1 .XXX ±0.05 ANGLES ±1°		SCALE 3:2		SIZE A4		SHEET 2 OF 4		DWG NO MSAS-XXPFFR-SH7003				CHECKED BY Ruru		DATE 2025-10-27			
		REV. G		WC-REV. A.3		(QC):Inspection item		CUSTOMER ALTW				APPROVED BY Rita		DATE 2025-10-27			

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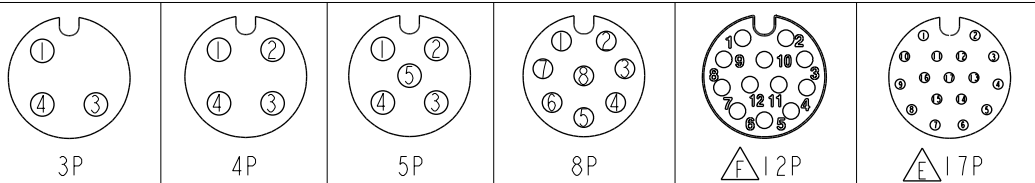
Recommended
Panel Cut-Out



MSAS-XXPFFR-SH7003

XX: No. Of Pin

This connector design is for pin: 13 ~ 17



Pin Assignment Front View

- Note:
- * RoHS Compliant
 - * Important dimension
 - * Waterproof rate: IP67, mated
 - * Connector
 - Housing: Thermoplastic, Black
 - Pin: Copper alloy, Gold plated
 - Gasket: Rubber, Black
 - Shield: Metal
 - Nut: Metal
 - O-Ring: Rubber, Gray
 - * For panel thickness max: 3.0mm
 - * For pcb thickness max: 1.6mm
 - * The Nut Is Packed Separately In The Bag

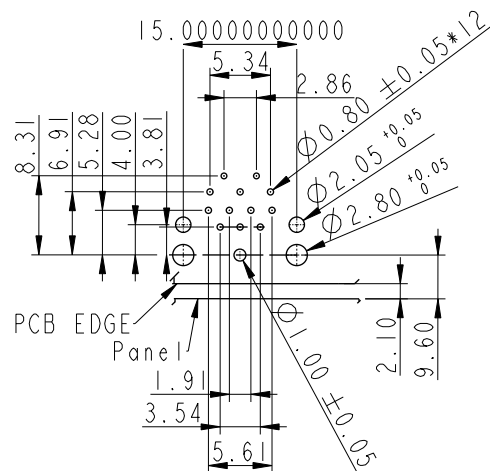
UNIT:mm		TOLERANCE		TITLE	
				N SEN, M12 A, SCREW	
.X ±0.25		.XX ±0.1		RECEPTACLE, F, F, PCB R	
.XXX ±0.05		ANGLES ±1°		SCALE 3:2	
				SIZE A4	
				SHEET 3 OF 4	
				REV. G	
				WC-REV. A.3	
				Inspection item	

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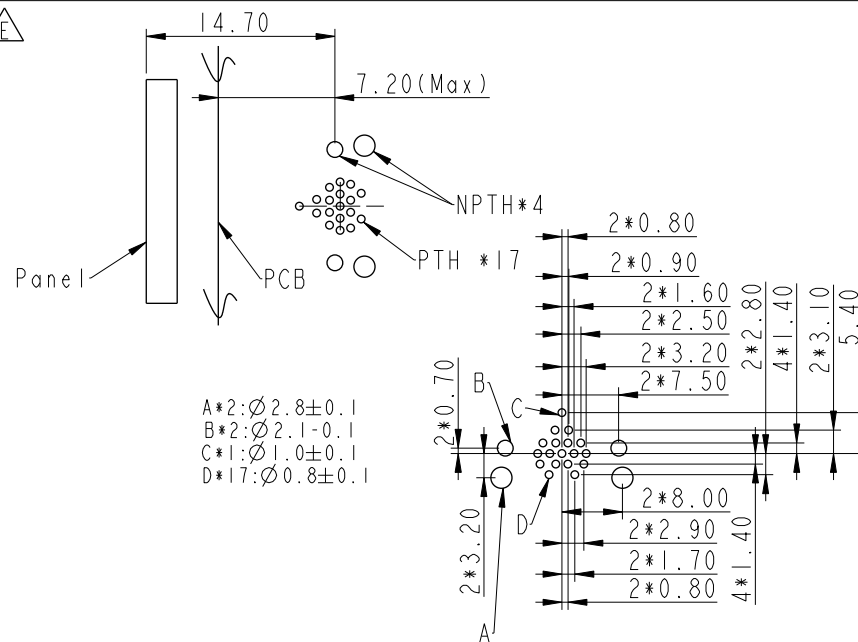
ITEM NO	DRAWN BY	DATE
DWG NO	CHECKED BY	DATE
CUSTOMER	APPROVED BY	DATE

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PCB Layout

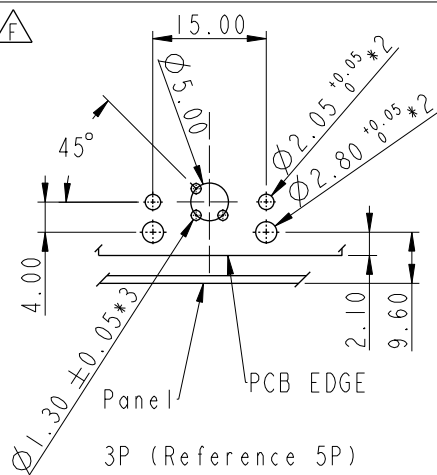


12P

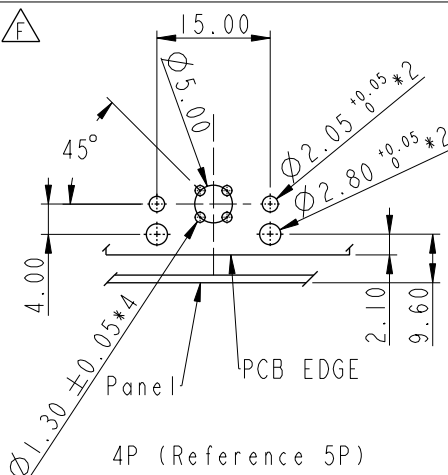


17P

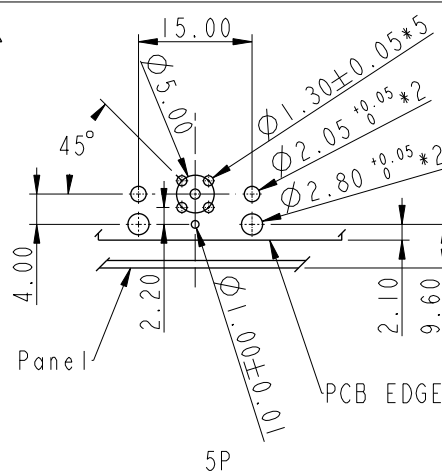
PCB Layout



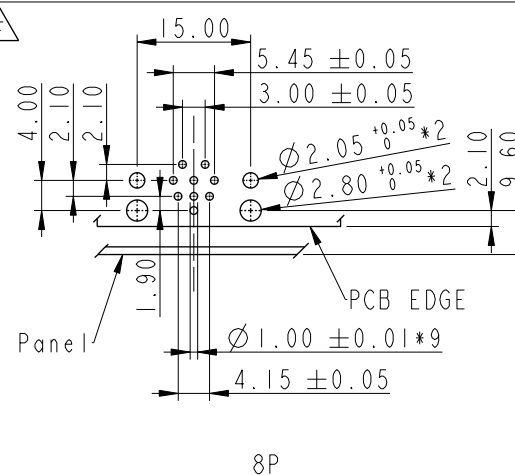
3P (Reference 5P)



4P (Reference 5P)

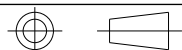


5P



8P

UNIT:mm



TOLERANCE
.X ±0.25
.XX ±0.1
.XXX ±0.05
ANGLES ±1°

TITLE

N SEN, M12 A, SCREW
RECEPTACLE, F, F, PCB R

SCALE 3:2

SIZE A4

SHEET 4 OF 4

REV. G

WC-REV. A.3

QC: Inspection item

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ITEM NO

DWG NO

CUSTOMER

MSAS-XXPFFR-SH7003

ALTW

DRAWN BY

CHECKED BY

APPROVED BY

Vicky

Ruru

Rita

DATE

DATE

DATE

2025-10-27

2025-10-27

2025-10-27