

# Customer Information Sheet

IF IN DOUBT - ASK



NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

TABLE 1: CONFIGURATIONS & BILL OF MATERIALS

ORDER CODE CONFIGURATIONS											BOM ITEM No.								
											1	2	3	4	5	6	7	8	9
G125-XXXXXX69XX-XXXXXX											CONNECTOR 1 (SEE ORDER CODE FOR TOTAL No. OF CONTACTS)	CONNECTOR 1 CONTACT (SEE ORDER CODE FOR QTY.)	CONNECTOR 1 BACKSHELL	BRAID	BAND-IT TIE	PTFE WIRE	CONNECTOR 2 BACKSHELL	CONNECTOR 2 CONTACT (SEE ORDER CODE FOR QTY.)	CONNECTOR 2 (SEE ORDER CODE FOR TOTAL No. OF CONTACTS)
G125	-	FC FD	1 2	06 10 12 16 20 26 34 50	69	F1	-	XXXX	F1	G125-224XX96F1	G125-0010005 G125-0020005	G125-964XXXX	SEE CO49XX	M80-9470000 M80-9480000	SEE C049XX	G125-964XXXX	G125-0010005 G125-0020005		G125-224XX96F1
		MC MD				M1 M3			M1 M3 F1	G125-324XX96M1 G125-324XX96M3	G125-1010005 G125-1020005						G125-1010005 G125-1020005		G125-324XX96M1 G125-324XX96M3 G125-224XX96F1

ORDER CODE:

G125-XXXXXX69XX-XXXXXX

CONNECTOR 1:

F = FEMALE  
M = MALE

WIRING STYLE:

C = STANDARD WIRE  
D = TWISTED PAIR

WIRE GAUGE:

1 = 26AWG  
2 = 28AWG

TOTAL No. OF CONTACTS:

06, 10, 12, 16,  
20, 26, 34, 50

CONNECTOR 2 FIXING STYLE:

F1 = SCREW LOK  
M1 = SCREW LOK  
M3 = SCREW LOK REVERSE FIX

DIM 'A' LENGTH:

0060 = 60mm MIN  
9999 = 9999mm MAX

CONNECTOR 1 FIXING STYLE:

F1 = SCREW LOK  
M1 = SCREW LOK  
M3 = SCREW LOK REVERSE FIX

- NOTES:
- FOR COMPLETE SPECIFICATION, INCLUDING WIRE TYPE AND GAUGE SEE COMPONENT SPECIFICATIONS C125XX & C049XX (LATEST ISSUES).
  - FOR POTTING COMPOUND AND WIRE TYPE SEE C049XX COMPONENT SPECIFICATION.
  - SEE SHEET 7 FOR ASSEMBLIES WITH STANDARD WIRING CONFIGURATIONS.
  - SEE SHEET 8 FOR ASSEMBLIES WITH TWISTED PAIR WIRING CONFIGURATIONS.
  - SEE SHEET 9 FOR HARDWARE FIXING INFORMATION.
  - WIRING OF CONNECTOR:  
CONTACT 1 TO CONTACT 1  
CONTACT 2 TO CONTACT 2, ETC.
  - FOR ALL HOUSING DIMENSIONS, SEE RESPECTIVE DRAWINGS FOR BOM ITEMS 1&9.

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TOLERANCES  
X. = ±1mm  
X.X = ±0.50mm  
X.XX = ±0.20mm  
X.XXX = ±0.01mm  
ANGLES = ±5°  
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ANY OTHER PURPOSE WITHOUT THEIR  
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MATERIAL:  
  
SEE ABOVE

TITLE:  
G125 DOUBLE ENDED SHIELDED  
CABLE ASSEMBLIES - SL

DRAWING NUMBER:  
G125-XXXXXX69XX-XXXXXX

SHT  
6 OF 9

AB	1	24.05.23	32231
NAME	ISS.	DATE	CN/CO
APPROVED: R.PORTLOCK			
CHECKED:		F.CHRISPINE	
DRAWN:		A.BOXALL	
ASSEMBLY DRG:			

Customer Information Sheet

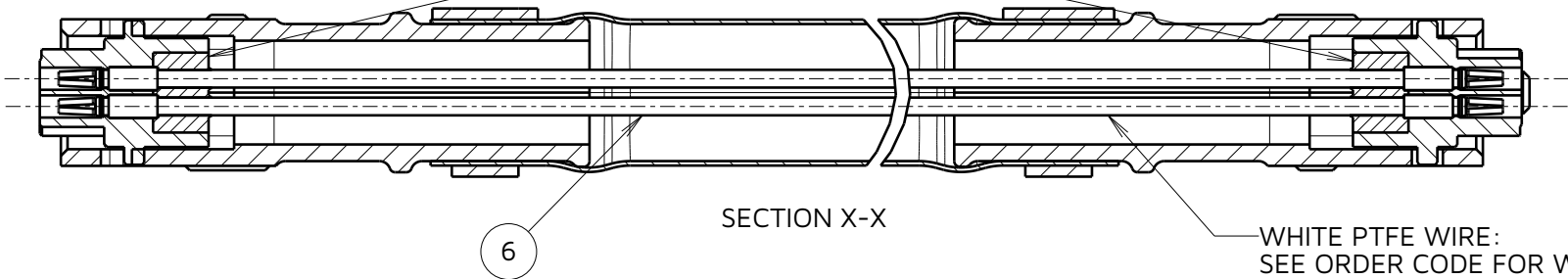
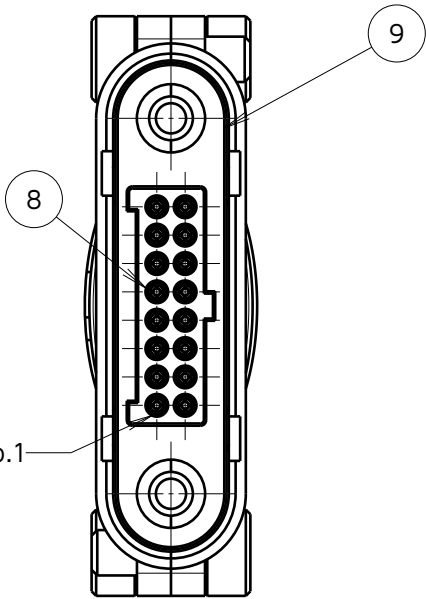
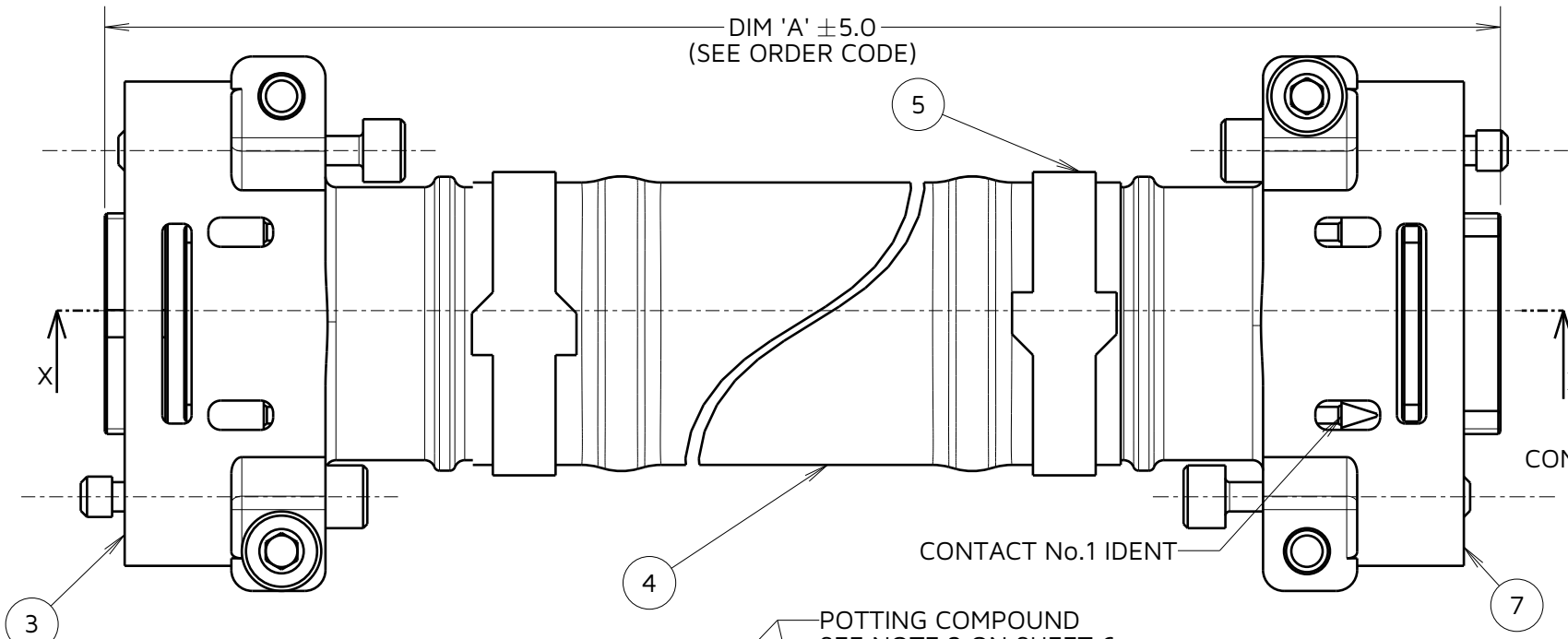
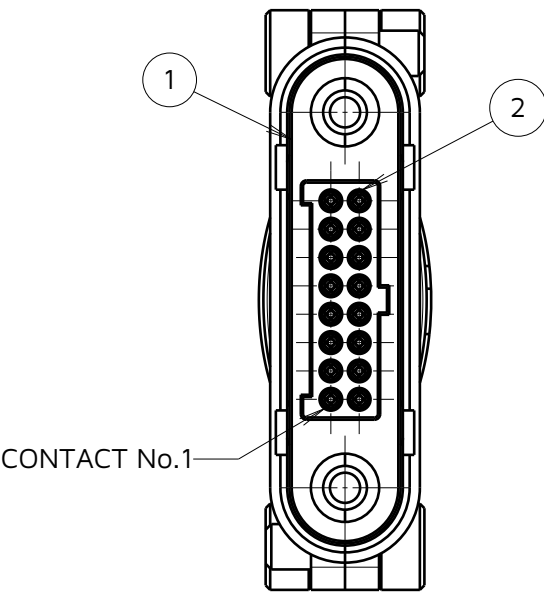
IF IN DOUBT - ASK

C

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



EXAMPLE SHOWN: FEMALE-TO-FEMALE STANDARD WIRING  
G125-FC11669F1-0150F1

ORDER CODE:

G125-XXXXXX69XX-XXXXXX

CONNECTOR 1:  
F = FEMALE  
M = MALE

WIRING STYLE:  
C = STANDARD WIRE  
D = TWISTED PAIR

WIRE GAUGE:  
1 = 26AWG  
2 = 28AWG

TOTAL No. OF CONTACTS:  
06, 10, 12, 16,  
20, 26, 34, 50

CONNECTOR 2 FIXING STYLE:  
F1 = SCREW LOK  
M1 = SCREW LOK  
M3 = SCREW LOK REVERSE FIX

DIM 'A' LENGTH:  
0060 = 60mm MIN  
9999 = 9999mm MAX

CONNECTOR 1 FIXING STYLE:  
F1 = SCREW LOK  
M1 = SCREW LOK  
M3 = SCREW LOK REVERSE FIX

- NOTES:
- 8. POSSIBLE CONFIGURATIONS:  
FEMALE-TO-FEMALE  
MALE-TO-MALE  
MALE-TO-FEMALE
  - 9. FOR POSSIBLE COMBINATIONS, SEE TABLE 1 ON SHEET 6.
  - 10. ASSEMBLY G125-FC11669F1-0150F1 IS SHOWN FOR ILLUSTRATIVE PURPOSES.  
SEE ORDER CODE FOR PART NUMBER.

AB	1	24.05.23	32231
NAME	ISS.	DATE	CN/CO
APPROVED: R.PORTLOCK			
CHECKED: F.CHRISPINE			
DRAWN: A.BOXALL			
ASSEMBLY DRG:			

HARWIN

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TOLERANCES  
X. =  $\pm 1\text{mm}$   
X.X =  $\pm 0.50\text{mm}$   
X.XX =  $\pm 0.20\text{mm}$   
X.XXX =  $\pm 0.01\text{mm}$   
ANGLES =  $\pm 5^\circ$   
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ANY OTHER PURPOSE WITHOUT THEIR  
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MATERIAL:  
  
SEE SHEET 6

TITLE:  
G125 DOUBLE ENDED SHIELDED  
CABLE ASSEMBLIES - SL  
  
DRAWING NUMBER:  
G125-XXXXXX69XX-XXXXXX  
SHT  
7 OF 9

Customer Information Sheet

IF IN DOUBT - ASK

C

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

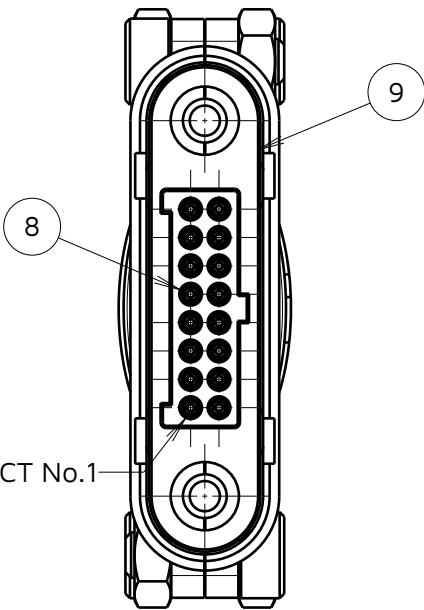
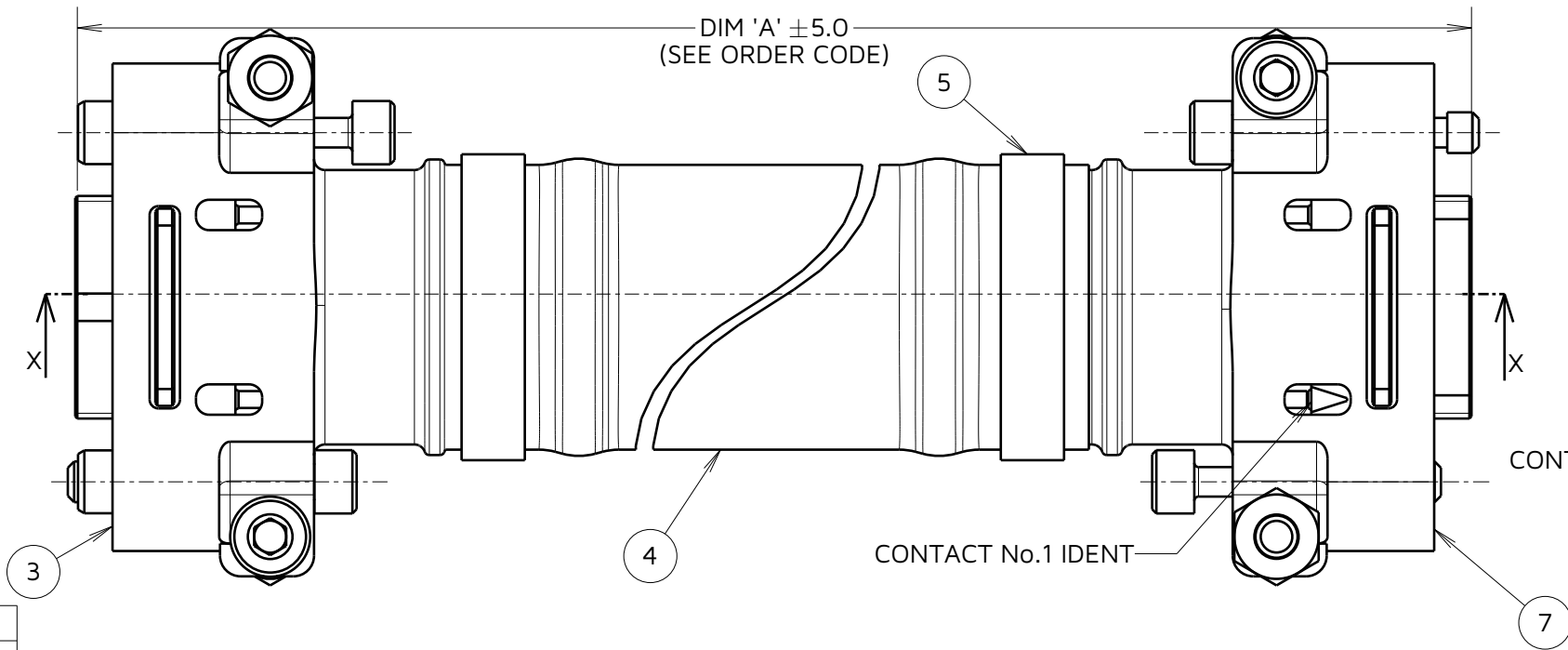
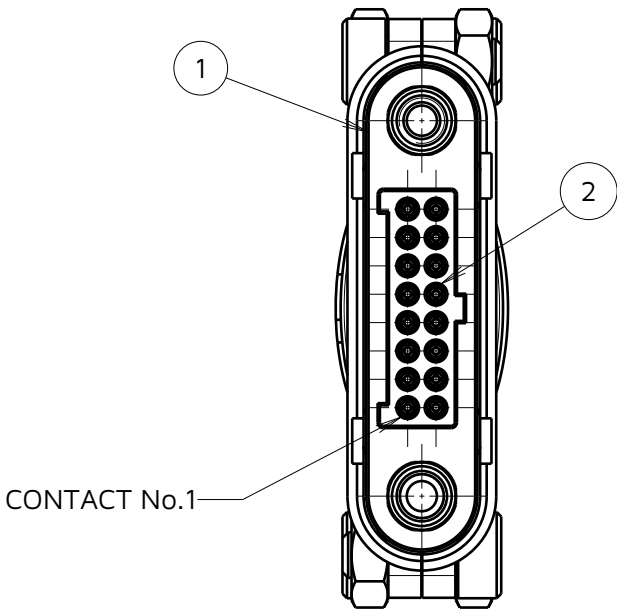
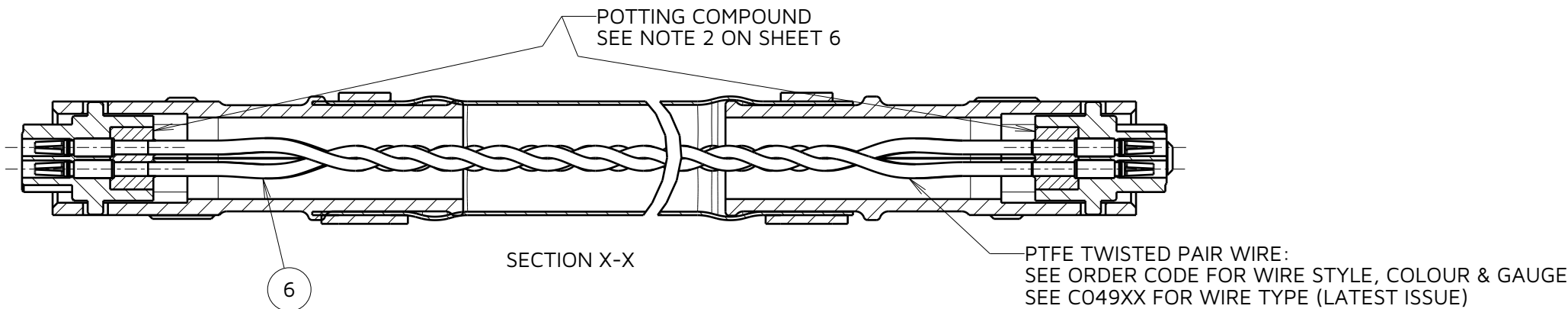


TABLE 2: TWISTED PAIR CABLE CONFIGURATIONS			
WIRING FOR EXAMPLE PART No. G125-FD11669F1-0150F1			
TWISTED PAIR No.	CONNECTOR PIN No.	TURNS PER INCH	WIRE COLOUR
1	1	3	WHITE & GREEN
	9		
2	2	2	WHITE & RED
	10		
3	3	3	WHITE & GREEN
	11		
4	4	2	WHITE & RED
	12		
5	5	3	WHITE & GREEN
	13		
6	6	2	WHITE & RED
	14		
7	7	3	WHITE & GREEN
	15		
8	8	2	WHITE & RED
	16		
FOR CONNECTORS WITH MORE THAN 16 CONTACTS, CONTINUE TWIST & CABLE PIN OUT CONVENTION IN THE SAME PATTERN. (I.E. TWISTED PAIR BETWEEN CONTACT X & CONTACT X)			
SEE BILL OF MATERIALS TABLE ON SHEET 6 FOR TWISTED PAIR PART NUMBERS.			



ORDER CODE:

G125-XXXXX69XX-XXXXXX

CONNECTOR 1:  
F = FEMALE  
M = MALE

WIRING STYLE:  
C = STANDARD WIRE  
D = TWISTED PAIR

WIRE GAUGE:  
1 = 26AWG  
2 = 28AWG

TOTAL No. OF CONTACTS:  
06, 10, 12, 16,  
20, 26, 34, 50

CONNECTOR 2 FIXING STYLE:  
F1 = SCREW LOK  
M1 = SCREW LOK  
M3 = SCREW LOK REVERSE FIX

DIM 'A' LENGTH:  
0060 = 60mm MIN  
9999 = 9999mm MAX

CONNECTOR 1 FIXING STYLE:  
F1 = SCREW LOK  
M1 = SCREW LOK  
M3 = SCREW LOK REVERSE FIX

EXAMPLE SHOWN: FEMALE-TO-FEMALE TWISTED PAIRS  
G125-FD11669F1-0150F1

- NOTES:
- 11. POSSIBLE CONFIGURATIONS:
    - FEMALE-TO-FEMALE
    - MALE-TO-MALE
    - MALE-TO-FEMALE
  - 12. FOR POSSIBLE COMBINATIONS, SEE TABLE 1 ON SHEET 6.
  - 13. ASSEMBLY G125-FD11669F1-0150F1 IS SHOWN FOR ILLUSTRATIVE PURPOSES. SEE ORDER CODE FOR PART NUMBER.

AB	1	24.05.23	32231
NAME	ISS.	DATE	CN/CO
APPROVED: R.PORTLOCK			
CHECKED: F.CHRISPINE			
DRAWN: A.BOXALL			
ASSEMBLY DRG:			

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www.harwin.com

TOLERANCES  
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X.X = ±0.50mm  
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ANGLES = ±5°  
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MATERIAL:  
  
SEE SHEET 6

TITLE:  
G125 DOUBLE ENDED SHIELDED  
CABLE ASSEMBLIES - SL

DRAWING NUMBER:  
G125-XXXXX69XX-XXXXXX

SHT  
8 OF 9

# Customer Information Sheet

IF IN DOUBT - ASK

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NOT TO SCALE

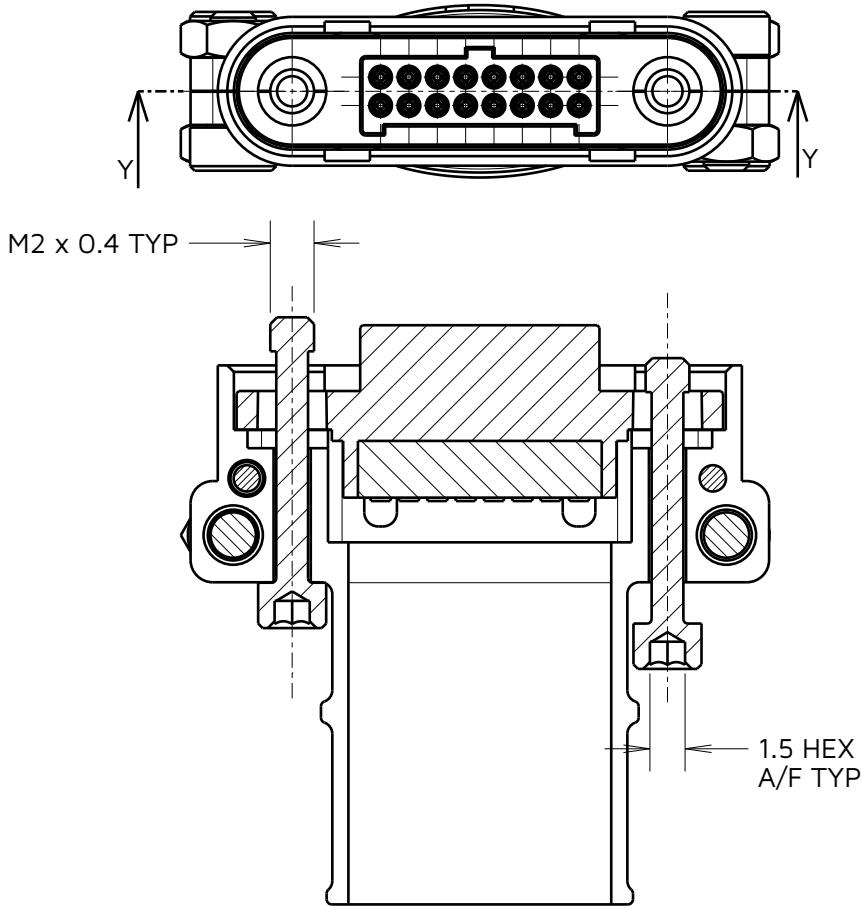
THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

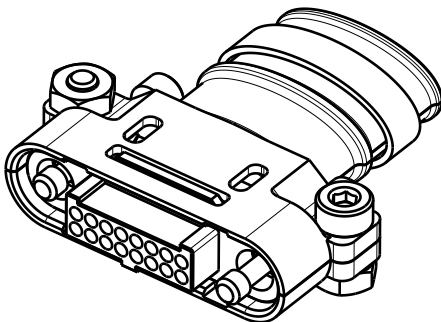
## FIXING STYLE IDENTIFICATION

FEMALE

F1



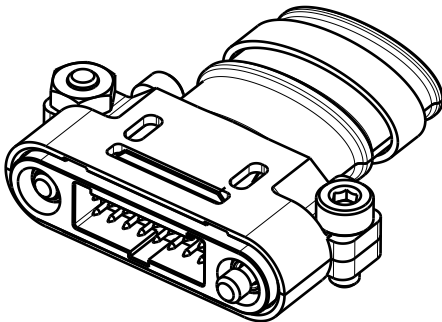
SECTION Y-Y



M1

M2 x 0.4 TYP

SECTION Y-Y

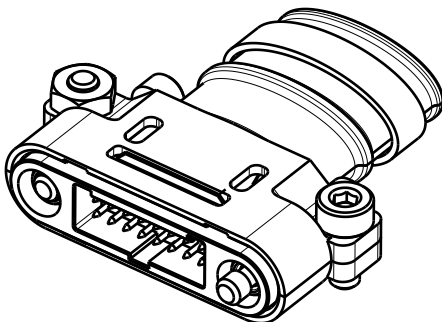


M3

M2 x 0.4 TYP

SECTION Y-Y

1.5 HEX  
A/F TYP



MALE

ORDER CODE:

G125-XXXXX69XX-XXXXXX

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M = MALE

WIRING STYLE:

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CONNECTOR 1 FIXING STYLE:

F1 = SCREW LOK  
M1 = SCREW LOK  
M3 = SCREW LOK REVERSE FIX

NOTES:  
14: SEE BILL OF MATERIALS TABLE ON SHEET 6 AND ORDER CODE FOR FIXING IDENTIFICATION.

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TOLERANCES

X. =  $\pm 1\text{mm}$   
X.X =  $\pm 0.50\text{mm}$   
X.XX =  $\pm 0.20\text{mm}$   
X.XXX =  $\pm 0.01\text{mm}$

ANGLES =  $\pm 5^\circ$   
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MATERIAL:

SEE SHEET 6

TITLE:

G125 DOUBLE ENDED SHIELDED  
CABLE ASSEMBLIES - SL

DRAWING NUMBER:

G125-XXXXX69XX-XXXXXX

SHT  
9  
OF  
9

AB	1	24.05.23	32231
NAME	ISS.	DATE	CN/CO
APPROVED: R.PORTLOCK			
CHECKED: F.CHRISPINE			
DRAWN: A.BOXALL			
ASSEMBLY DRG:			