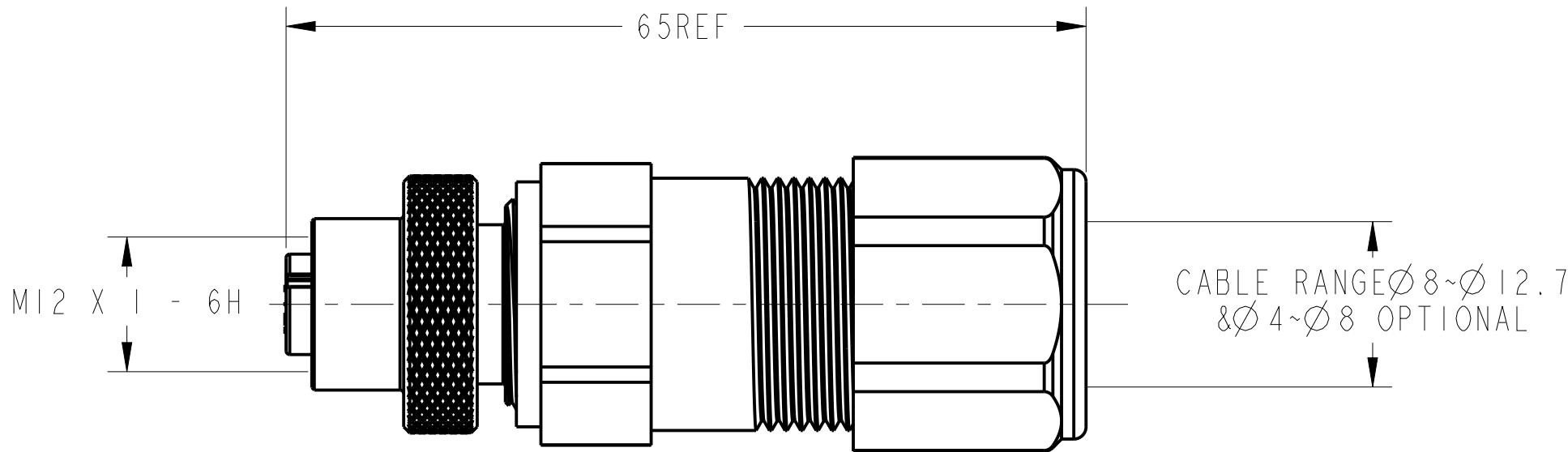
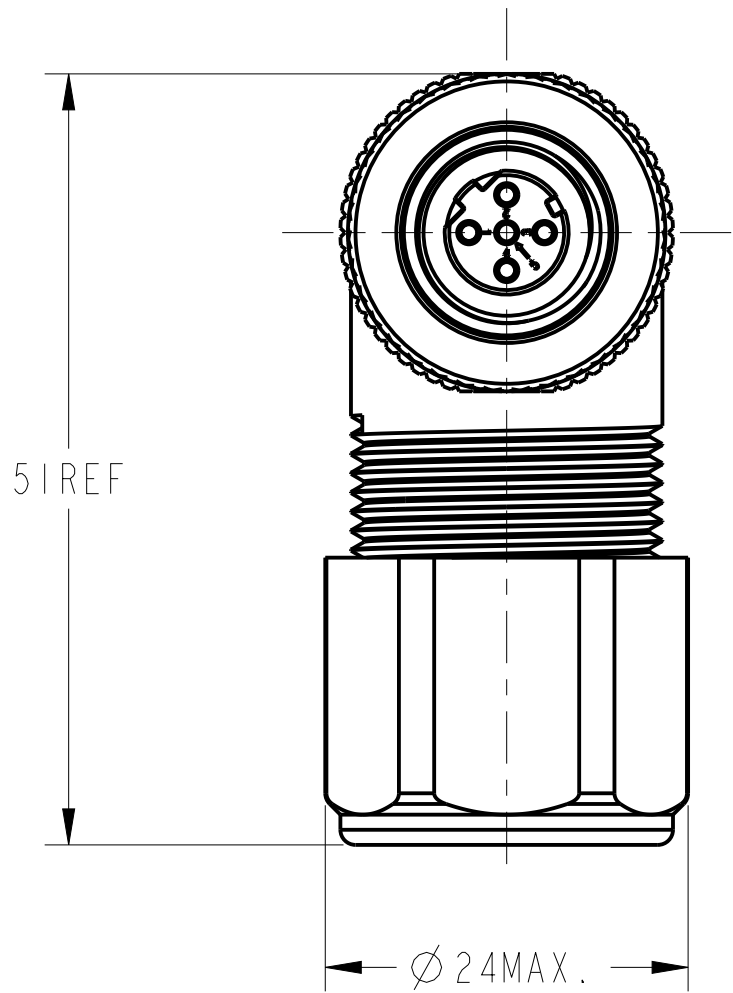
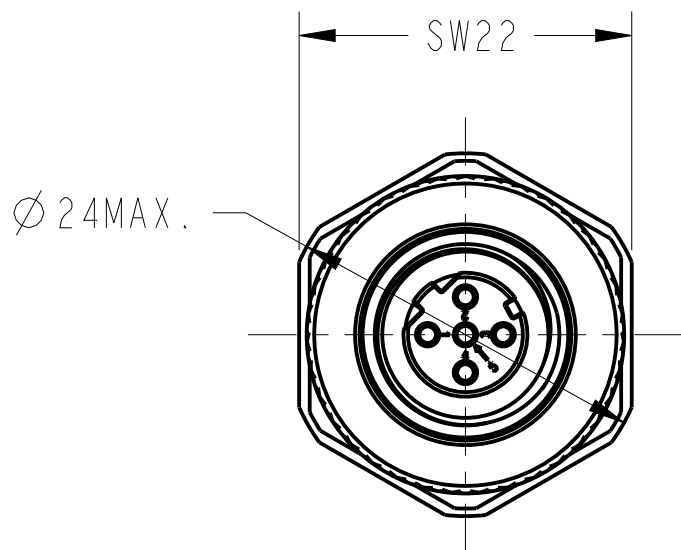
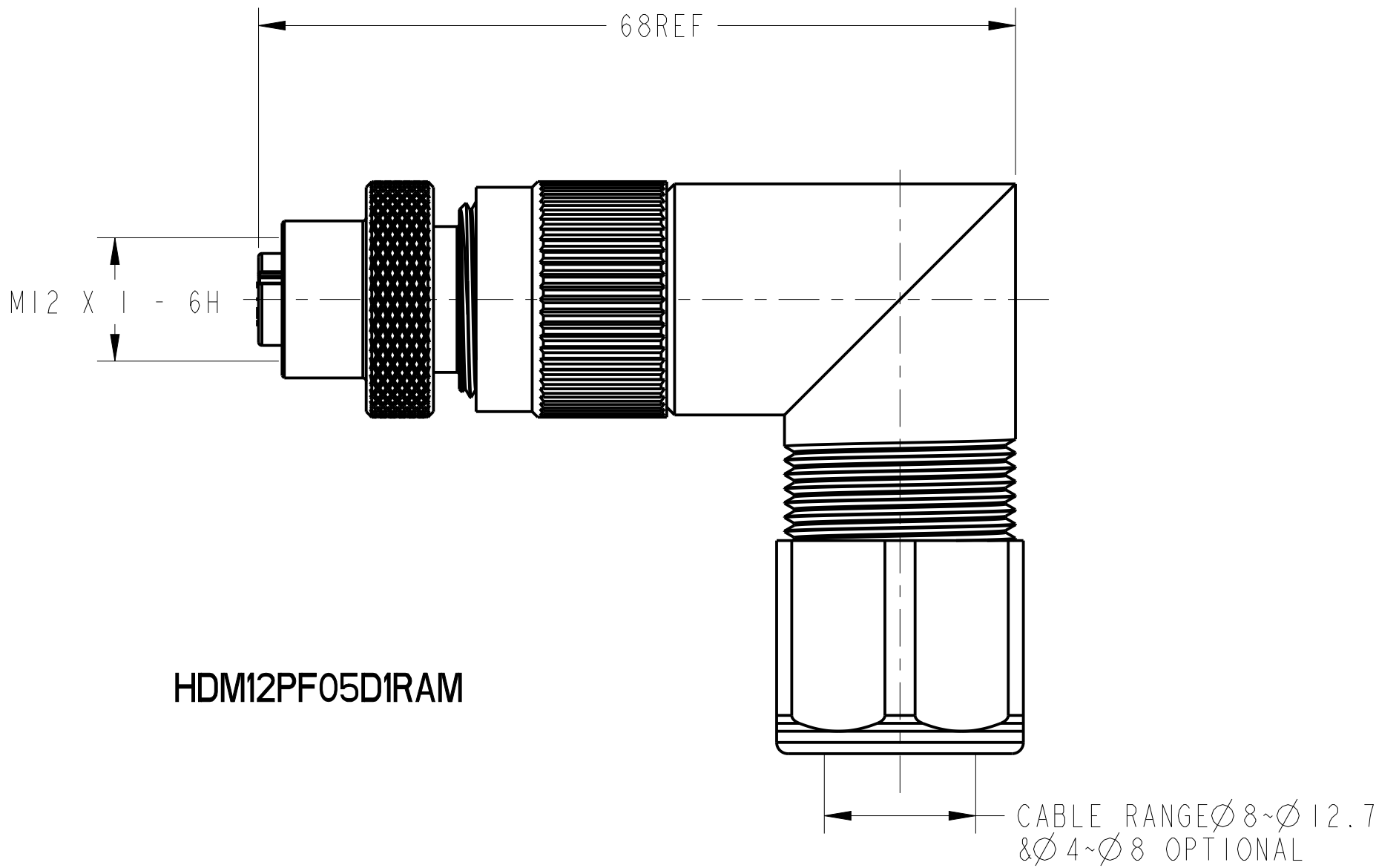


GENERAL TOLERANCE					
DIM. RANGE	0.5 ~ 3	> 3 ~ 6	> 6 ~ 30	> 30 ~ 120	> 120 ~ 400
TOLERANCE	± 0.1	± 0.1	± 0.2	± 0.3	± 0.5

CUSTOMER DRAWING



HDM12PF05D1STM



HDM12PF05D1RAM

NOTES:

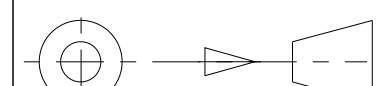
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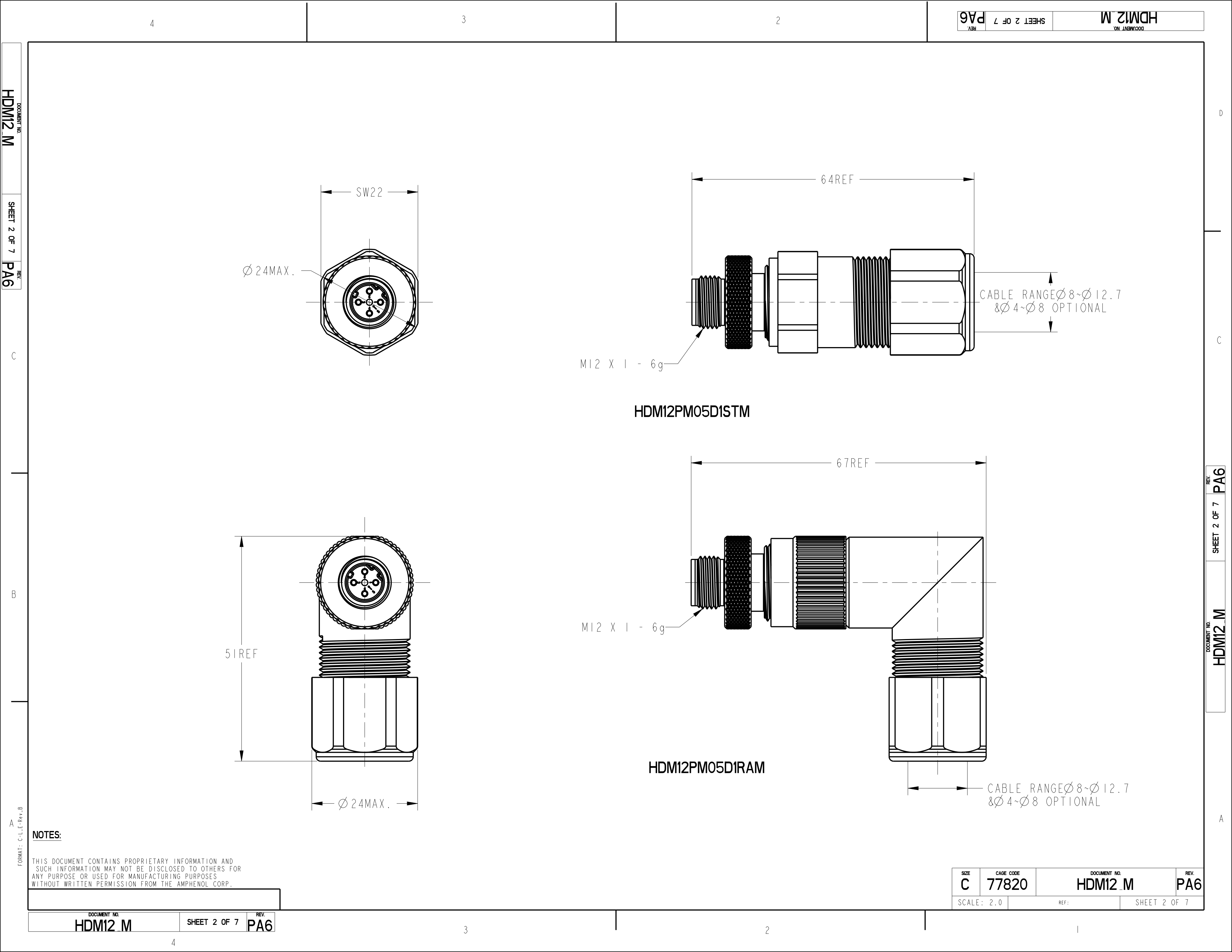
N/A

NEXT ASSEMBLY

METRIC DOCUMENT

PRO/ENGINEER INFORMATION	
Pro/e Model Used:	HDM12RFDIRAM.ASSEM
Drawing Name:	HDM12-METAL_BACKSHELL

UNLESS OTHERWISE SPECIFIED		SPECIFICATIONS		POS	QTY	PART NUMBER	DESCRIPTION	NOTE		
LINEAR DIMENSIONS ARE IN: MILLIMETERS TOLERANCES: ANGLES= $\pm 2^\circ$ DEFAULT LINEAR TOLERANCES SEE TABLE ----- DIM. & TOL. PER ASME Y14.5M-1994; DRM PER MIL-DTL-31000; OTHER AMPHENOL STANDARDS: 9-9318 LEGENDS:  = FLAG NOTE CALL OUT REFERENCE ONLY		MATERIAL SPEC.		PARTS LIST						
		N/A		APPROVALS		DATE	AMPHENOL INDUSTRIAL OPERATIONS Amphenol Technology(Zhuhai)Co.,Ltd No.63, Xinghan Road, Sanzao Town, Jinwan, Zhuhai, PRC			
				PREPARED BY	Show Chen	22-Jan-14				
				ENGINEER IN CHARGE	Sam Xu					
				DESIGN MANAGER	Ran Xiao					
				DESIGN ACTIVITY GROUP			C 3		MAX M12 WITH METAL BACKSHELL NICKEL PLATING	
		PROCESS SPEC.								
N/A		THIRD ANGLE PROJECTION				SIZE	CAGE CODE	DOCUMENT NO.	REV.	
						C	77820	HDM12_M	PA6	
						SCALE: 1:0		REF.	SHEET 1 OF 7	

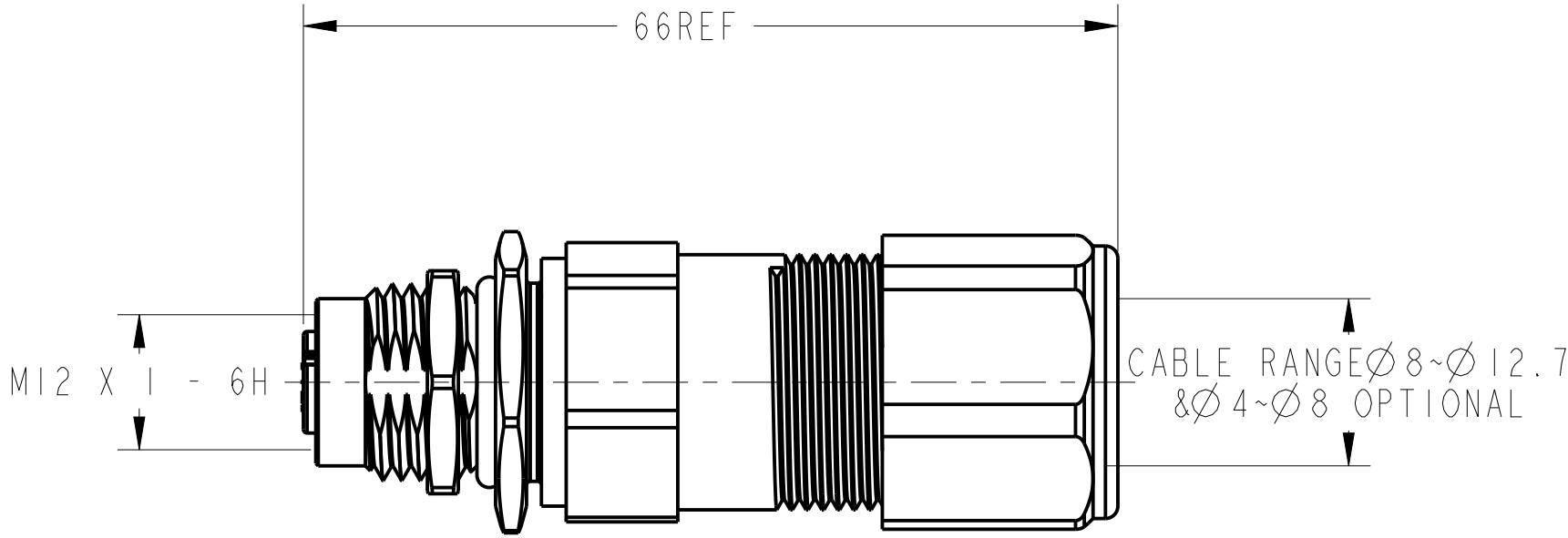
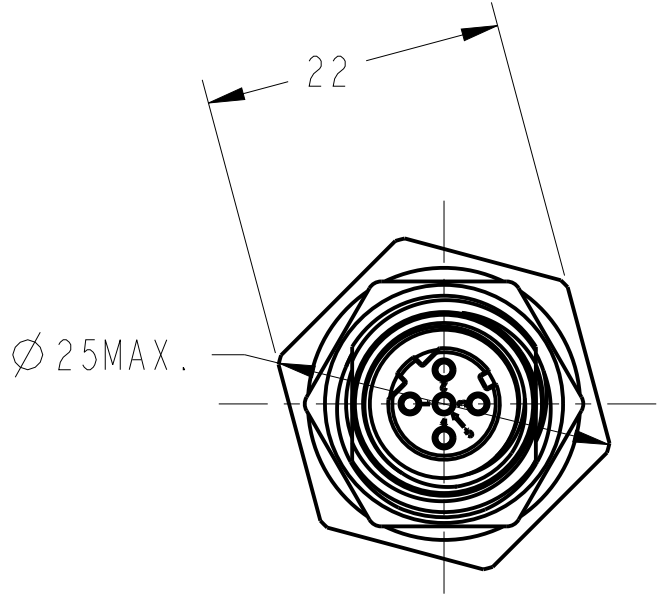


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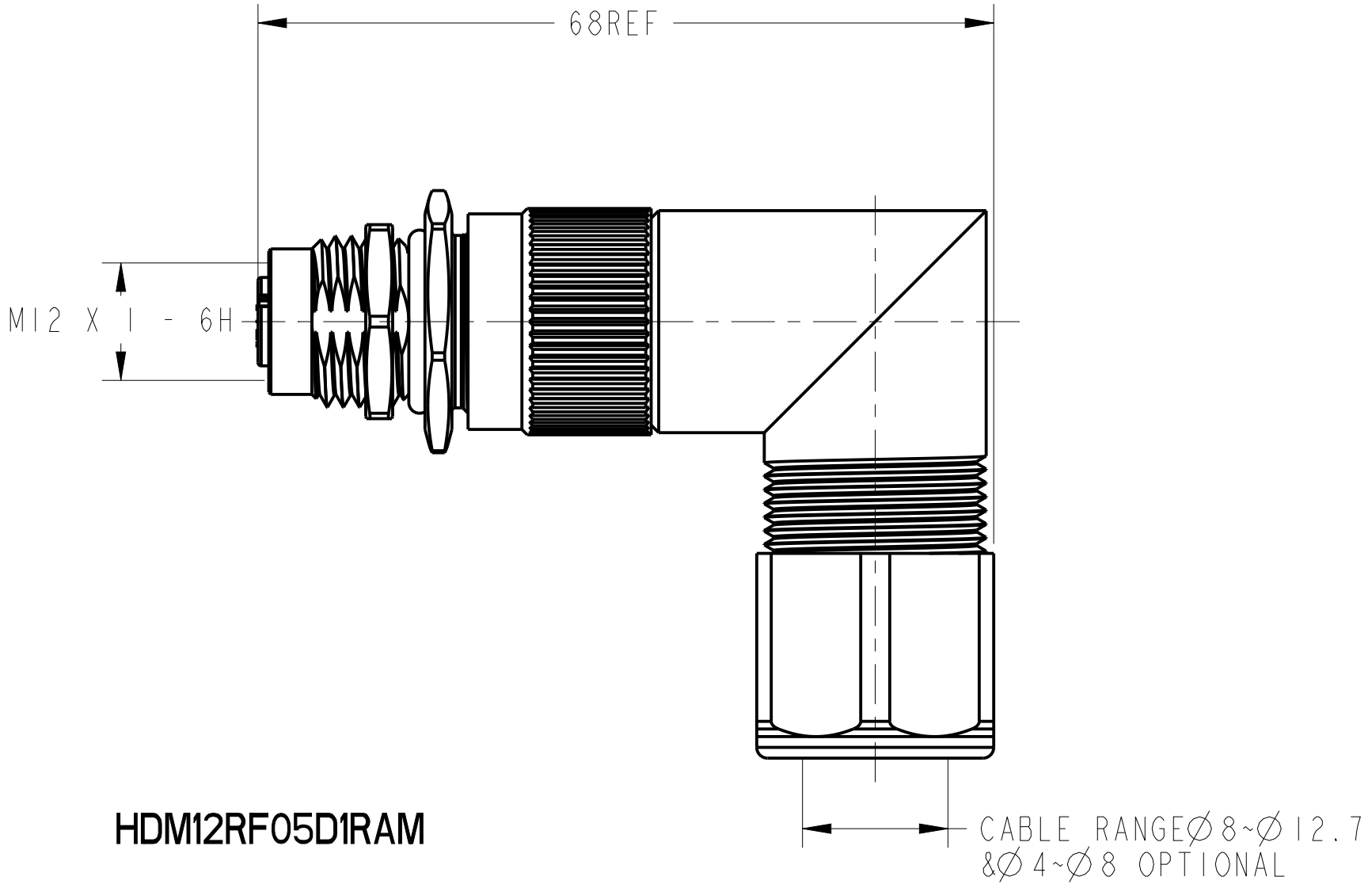
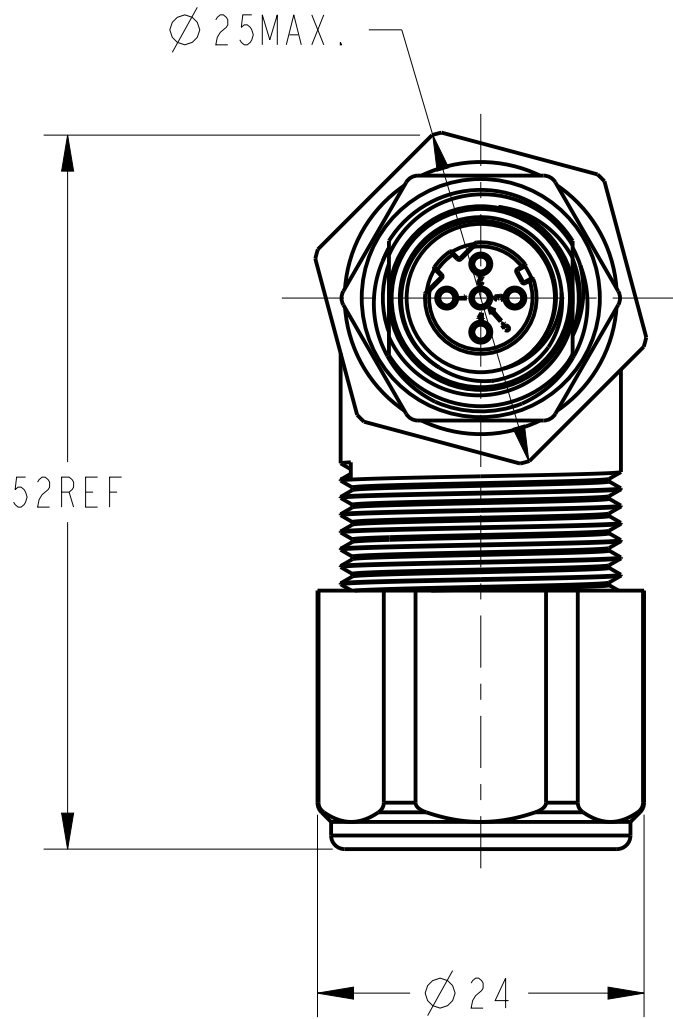
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DOCUMENT NO.	SHEET 2 OF 7	REV.
HDM12 M	PA6	

SIZE	CAGE CODE	DOCUMENT NO.	REV.
C	77820	HDM12 M	PA6
SCALE: 2.0	REF:	SHEET 2 OF 7	



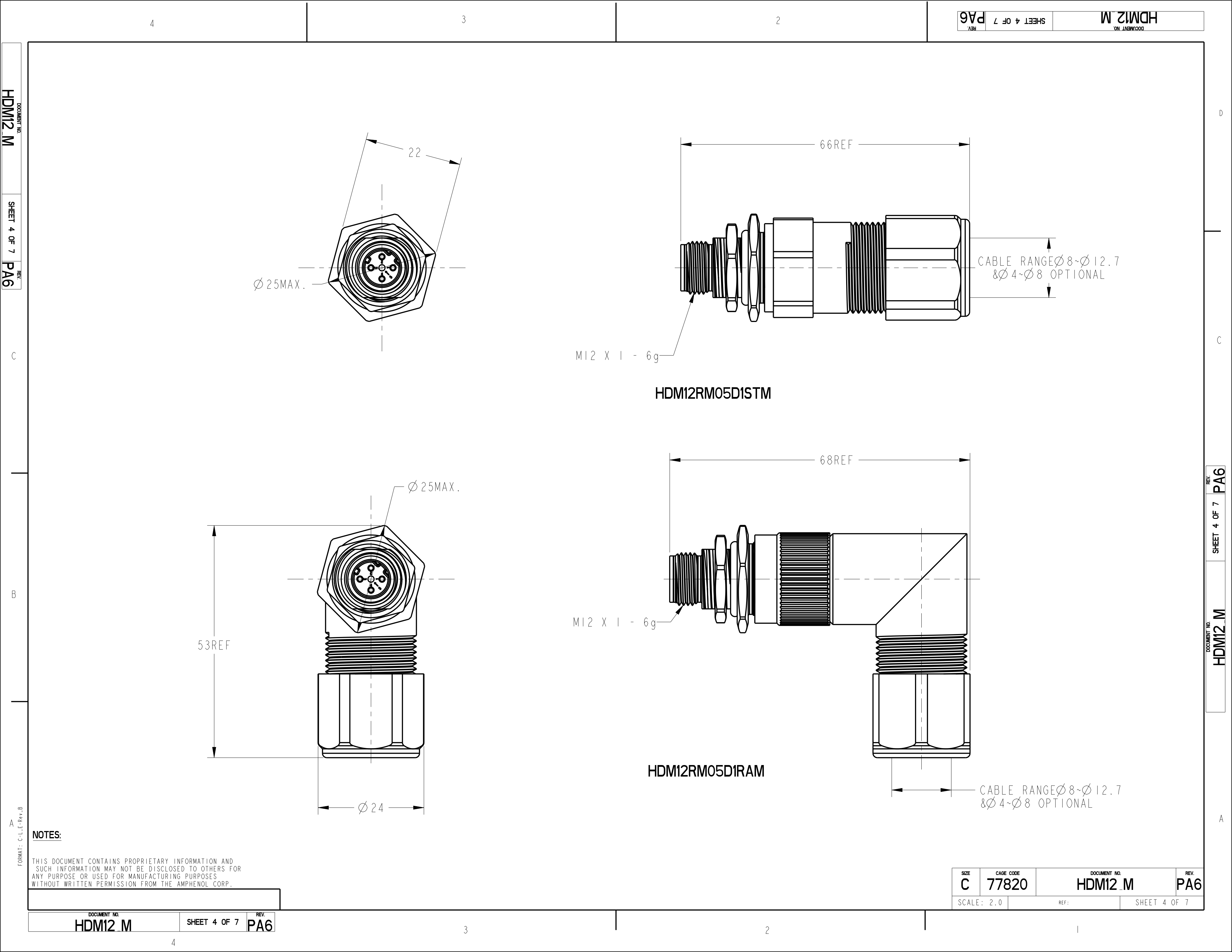
HDM12RF05D1STM



HDM12RF05D1RAM

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DOCUMENT NO.	SHEET 4 OF 7	REV.
HDM12 M	PA6	

SIZE	CAGE CODE	DOCUMENT NO.	REV.
C	77820	HDM12 M	PA6
SCALE: 2.0	REF:	SHEET 4 OF 7	

INSERT ARRANGEMENT AND CODING

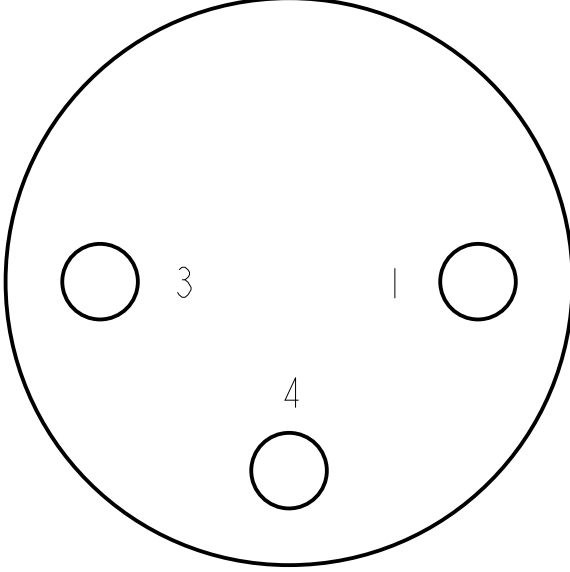
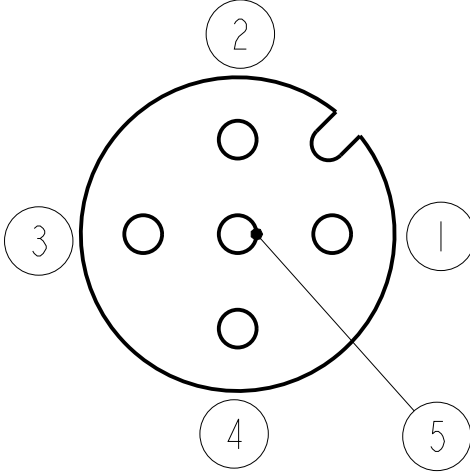
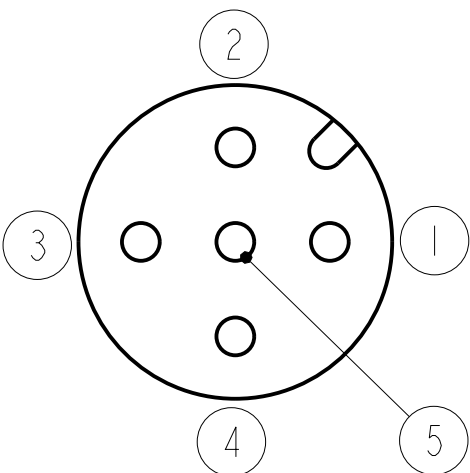
CODING

Male

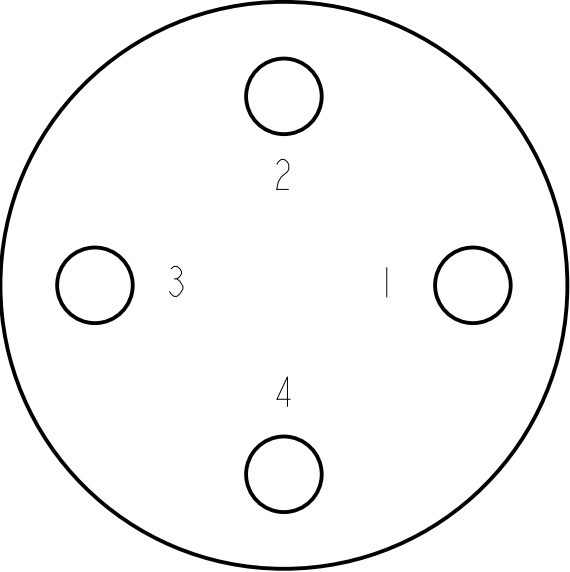
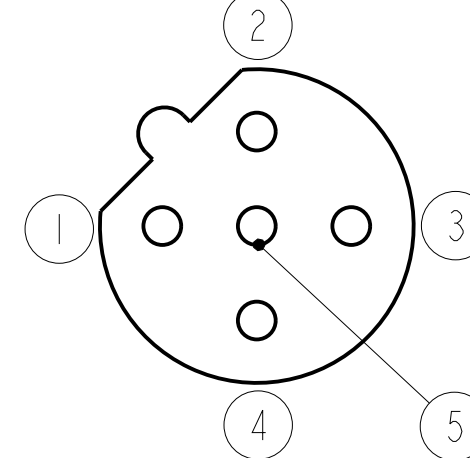
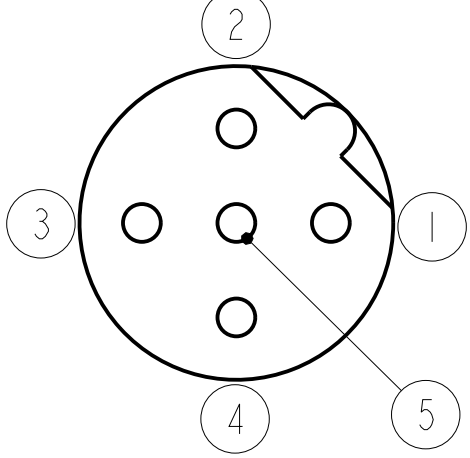
Female

INSERT ARRANGEMENT

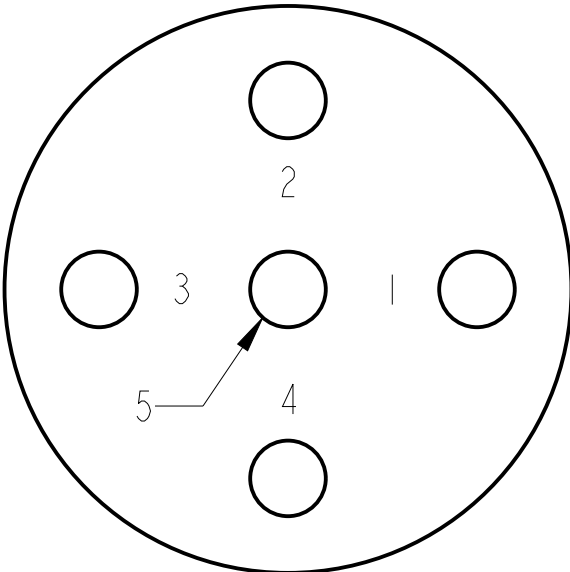
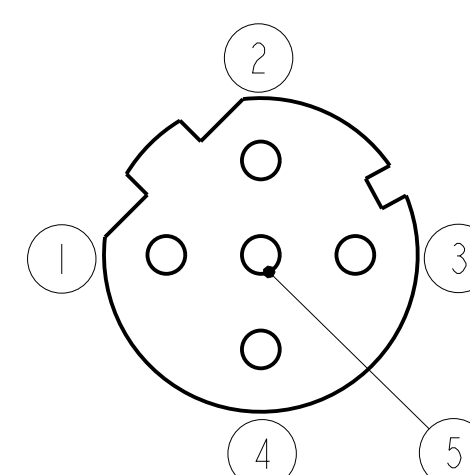
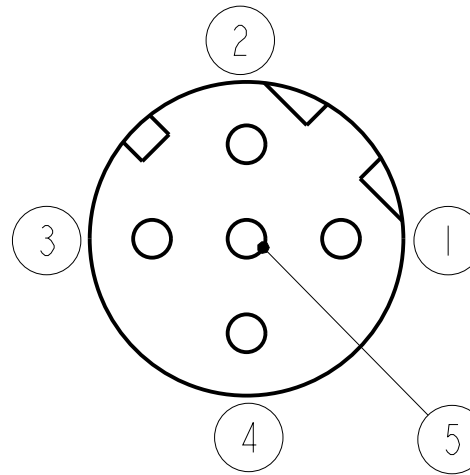
A - CODING
(5 POLE)



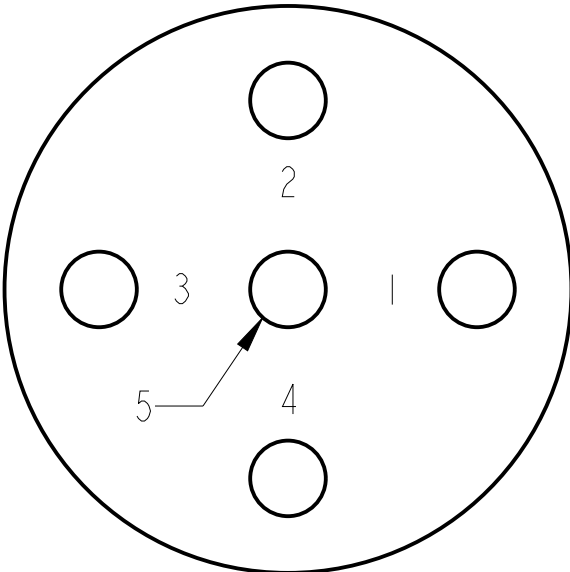
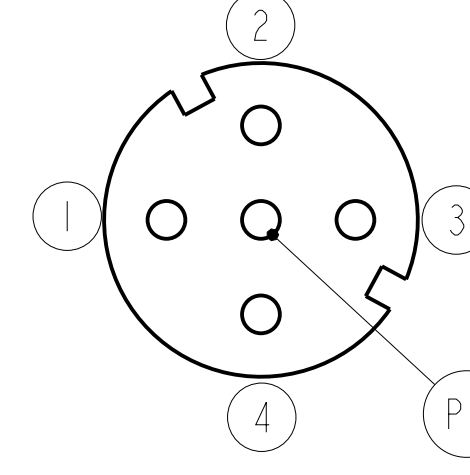
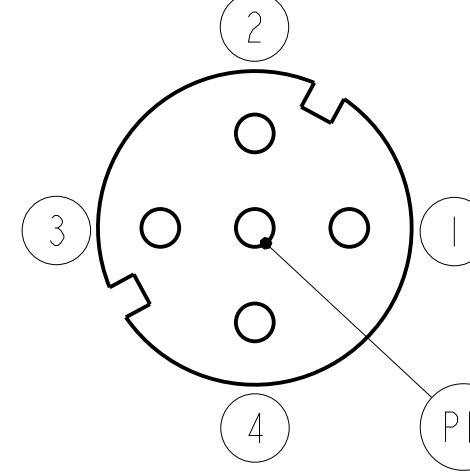
B - coding
(5 POLE)



D - coding
(5 POLE)



P - coding
(4 + PE POLE)



NOTES:

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DOCUMENT NO.
HDM12_M

SHEET 5 OF 7

REV.
PA6

SIZE
C

CAGE CODE
77820

DOCUMENT NO.
HDM12_M

REV.
PA6

SCALE: 1.0

REF:

SHEET 5 OF 7

4		3		2		HDM12 M DOCUMENT NO.		SHEET 6 OF 7		PA6 REV.	
SPECIFICATION											
OPERATING VOLTAGE		5 PIN -60V AC/DC 3&4 PIN-250V AC/DC				IEC 60664					
CURRENT RATING		4A MAX.				IEC 60512 TEST 5B					
TEMPERATURE RATING		-55°C - +125°C -55°C - +150°C(WITH VITON SEALS)				SAE J2839,4.2.3.13					
DIELECTRIC WITHSTANDING VOLTAGE		1000V				IEC 60512, TEST 4A					
INSULATION RESISTANCE		>20 Megohms				SAE J2839, 4.2.3.3					
RATED IMPULSE VOLTAGE		1500V				IEC 60664-1					
CONTACT RESISTANCE		<10 mΩ				IEC 60512 TEST 2A					
CONTACT RESISTANCE		EMI PROTECTION									
VIBRATION, SINE		10 - 2000 Hz, 20g, <1 us				SAE J2839, 4.2.3.15					
SHOCK, HALF SINE		10 CYCLES, 50g, 11ms, <1 us				SAE J2839, 4.2.3.16					
TEMPERATURE LIFE		1000H AT 125°C ± 3°C				SAE J2839, 4.2.3.7					
DURABILITY		100 CYCLES MIN.				SAE J2839, 4.2.3.11					
SALT FOG		240H				SAE J2839, 4.2.3.12					
PROTECTION CLASS		IP67 OR ABOVE				IEC 60529					
WIRE GAUGE		0.5 mm ² (20AWG) OR 0.8 mm ² (18AWG) / 0.75 mm ²				SAE J1128 / ISO 6722					
CABLE OD.		Ø12.7 MAX.									
RECOMMENDED TORQUE		M12 THREAD, 0.8 - 1.0 Nm									
CONNECTOR RETENTION		444N MIN				SAE J2839,4.2.3.20					
CONTACT RETENTION		110 N MIN				SAE J2839,4.2.3.18					
PANEL THICKNESS		1-6 mm FOR HDM12RF									
		1-6 mm FOR HDM12RF									
SHELL PLATING		NICKEL PLATED									
NOTES:											
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SCALE: 1.0											
REF:											
SHEET 6 OF 7											
DOCUMENT NO. HDM12 M		SHEET 6 OF 7		REV. PA6		SIZE C		CAGE CODE 77820		DOCUMENT NO. HDM12 M	
										REV. PA6	



■ VITON RUBBER SEALS
OMIT FOR STANDARD
RUBBER SEALS

- METAL BACK SHELL M

LETTER DENOTING THE
TYPE OF CONNECTOR

STRAIGHT	ST
RIGHT ANGLE	RA
NO BACKESHELL	XX

PLUG RECEPTACLE

PR

■ CONTACT FINISH:

GOLD	
SILVER	2
NICKEL	4

MALE
FEMALE

MF

- CODING :

A - CODING	A
B - CODING	B
D - CODING	D
P - CODING	P

INSERT ARRANGEMENT

```
03: 3 POLE
04: 4 POLE
05: 5 POLE
```

NOTES:

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