



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

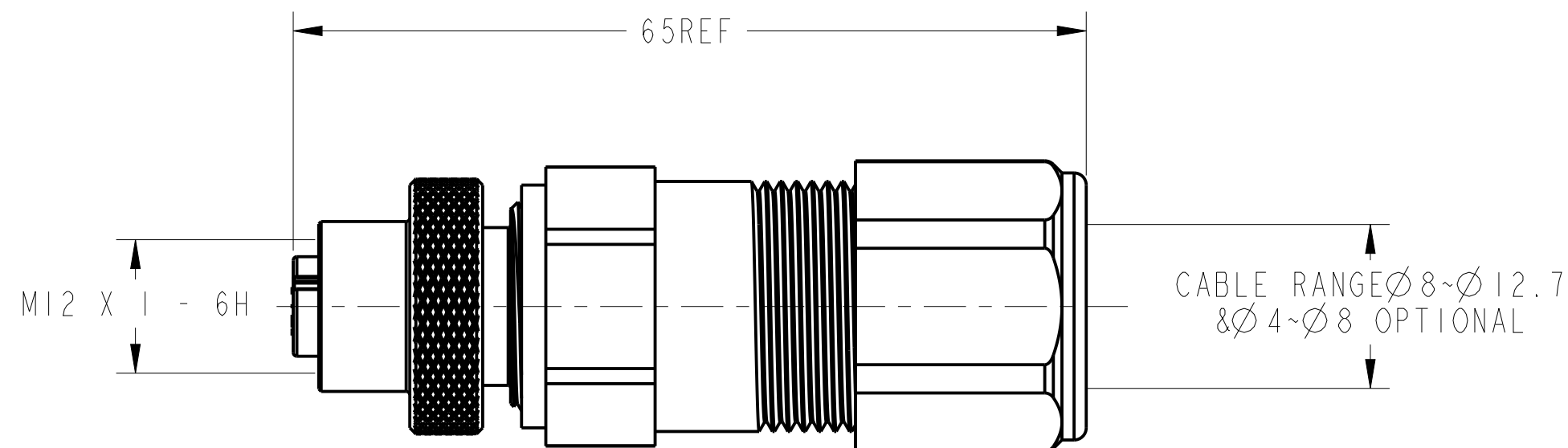
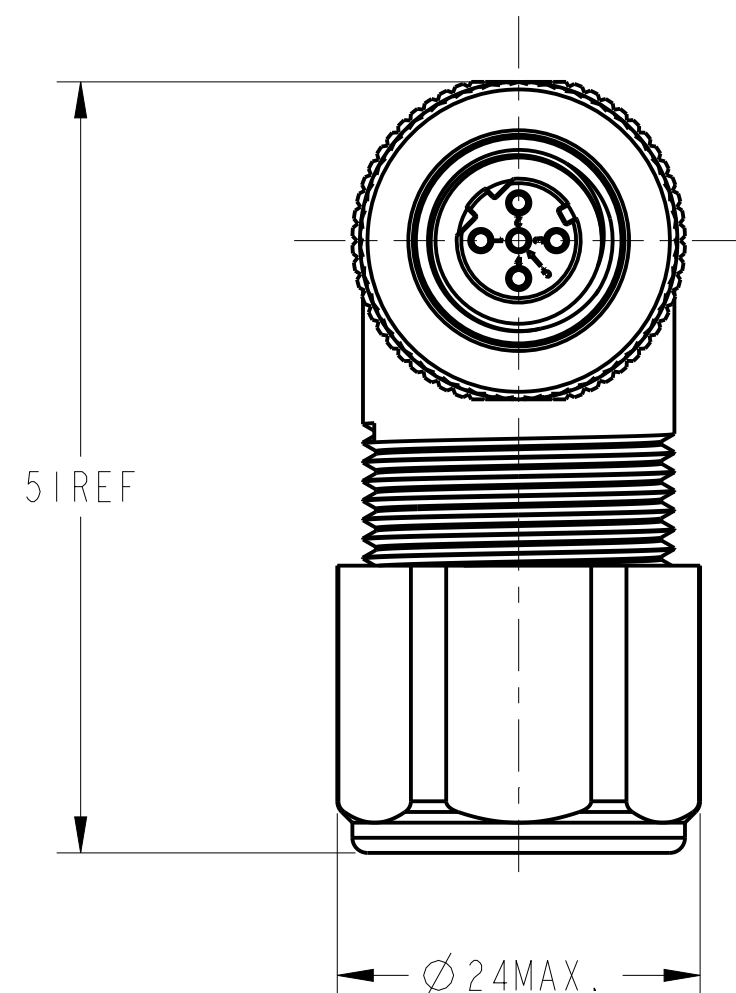
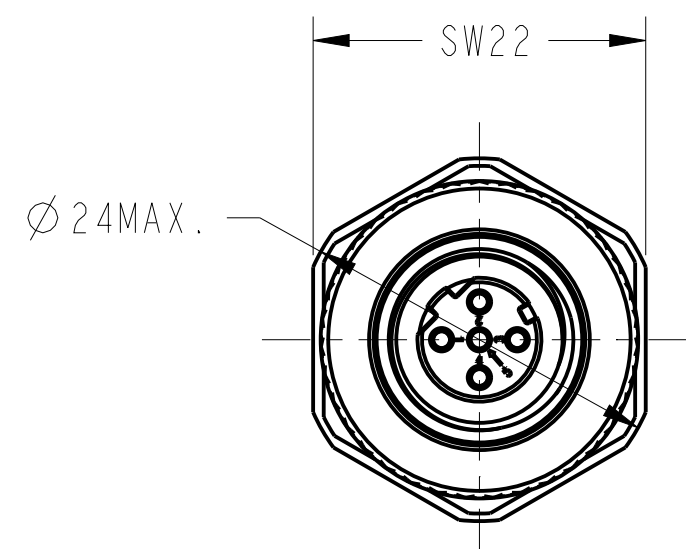
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

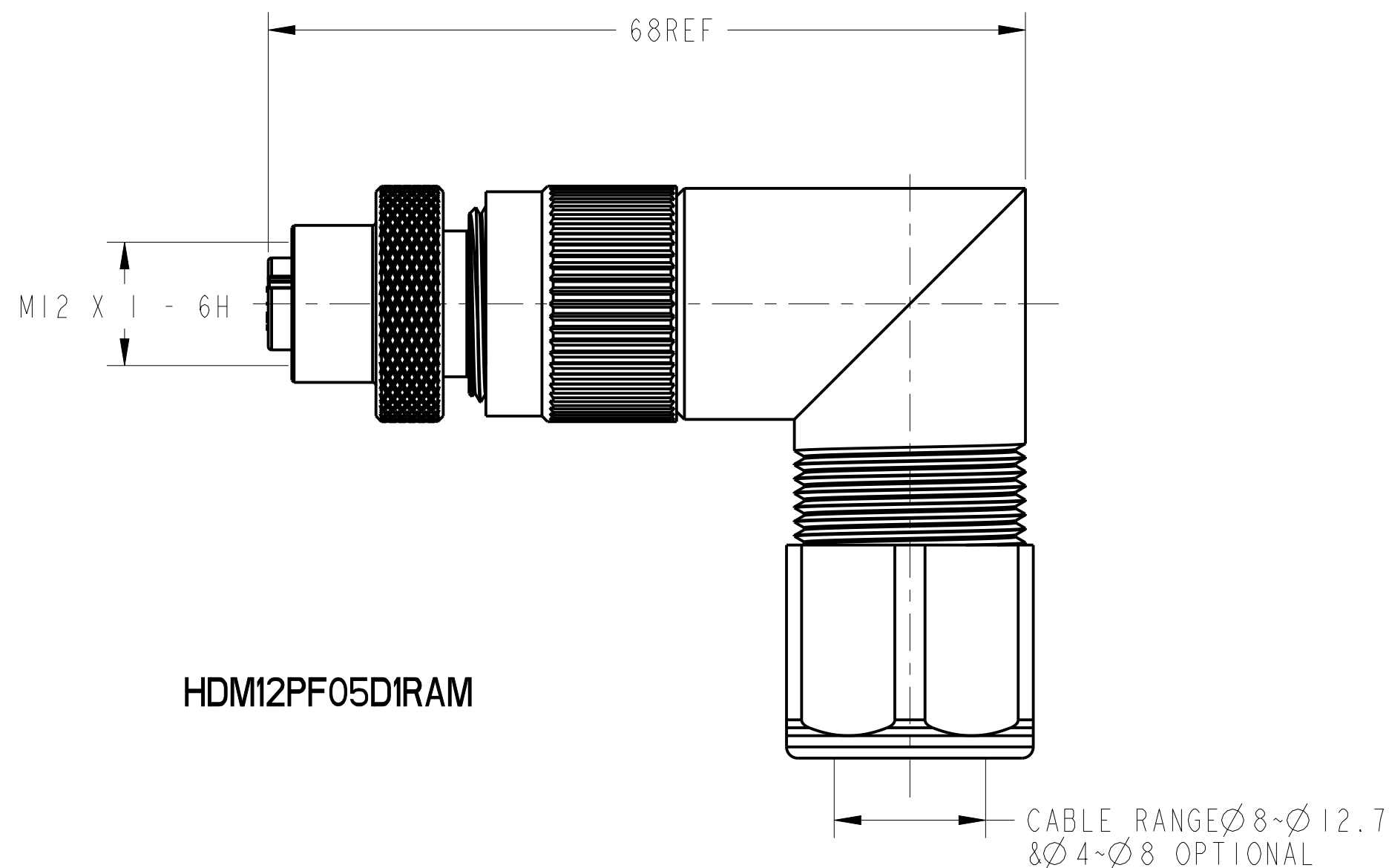


GENERAL TOLERANCE					
DIM. RANGE	0.5 ~ 3	> 3 ~ 6	> 6 ~ 30	> 30 ~ 120	> 120 ~ 400
TOLERANCE	±0.1	±0.1	±0.2	±0.3	±0.5

CUSTOMER DRAWING



HDM12PF05D1STM



HDM12PF05D1RAM

NOTES:

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N/A

NEXT ASSEMBLY

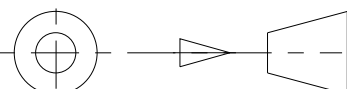
METRIC DOCUMENT

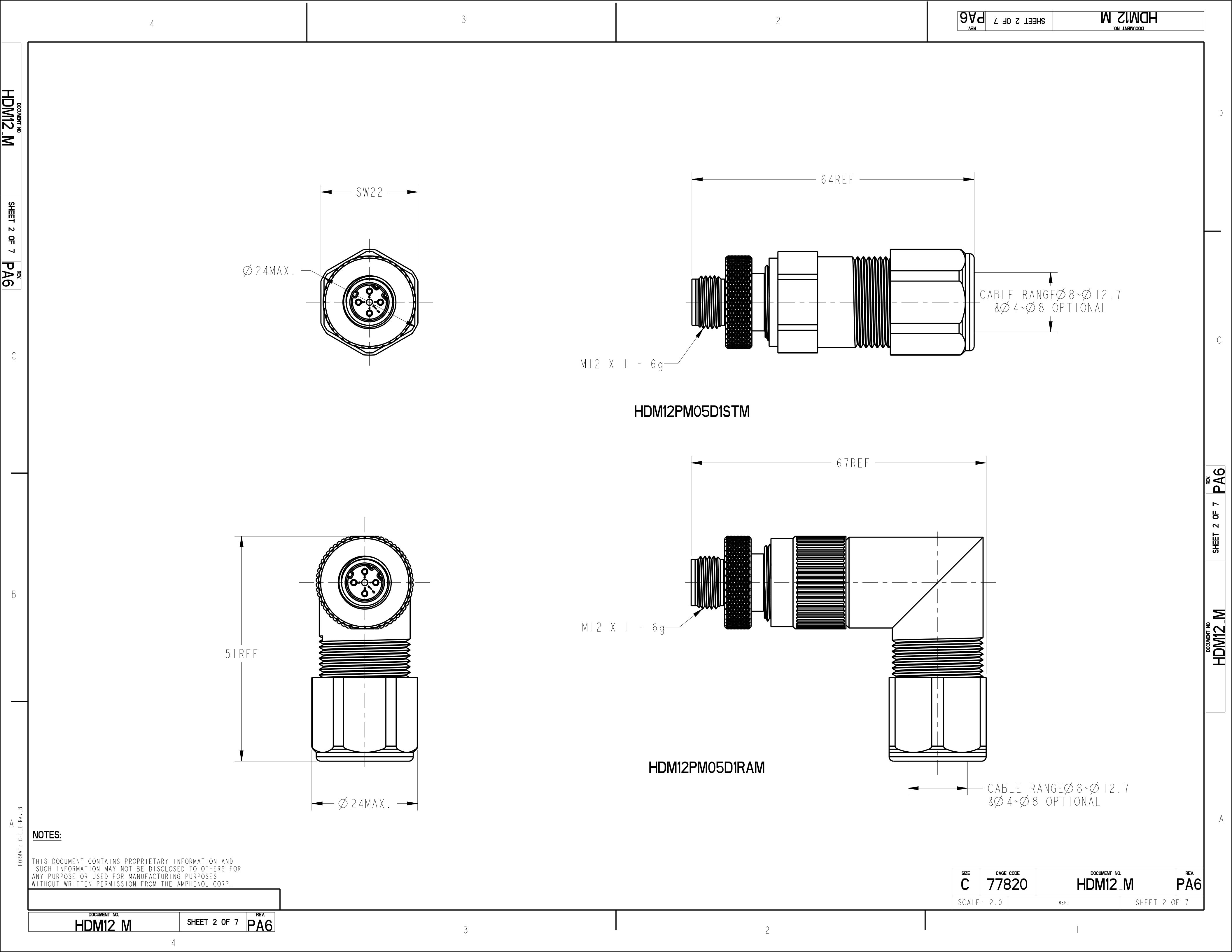
PRO/ENGINEER INFORMATION

Pro/e Model Used:
HDM12RFD1RAM.ASSEM
Drawing Name:
HDM12 METAL BACKSHELL

LEGENDS:

△ = FLAG NOTE CALL OUT
REFERENCE ONLY

UNLESS OTHERWISE SPECIFIED		SPECIFICATIONS		POS	QTY	PART NUMBER		DESCRIPTION		NOTE					
LINEAR DIMENSIONS ARE IN: MILLIMETERS TOLERANCES: ANGLES= ±2° 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.		N/A		APPROVALS		DATE		PARTS LIST AMPHENOL INDUSTRIAL OPERATIONS Amphenol Technology(Zhuhai)Co.,Ltd No.63, Xingnan Road, Sanzao Town, Jinwan, Zhuhai, PRC					
		PROCESS SPEC.		N/A		THIRD ANGLE PROJECTION									
						PREPARED BY		Show Chen		22-Jan-14					
						ENGINEER IN CHARGE		Sam Xu							
						DESIGN MANAGER		Ran Xiao							
						DESIGN ACTIVITY GROUP		C 3							
								SIZE		CAGE CODE		DOCUMENT NO.		REV.	
								C		77820		HDM12_M		PA6	
										SCALE: 1:0		REF.		SHEET 1 OF 7	

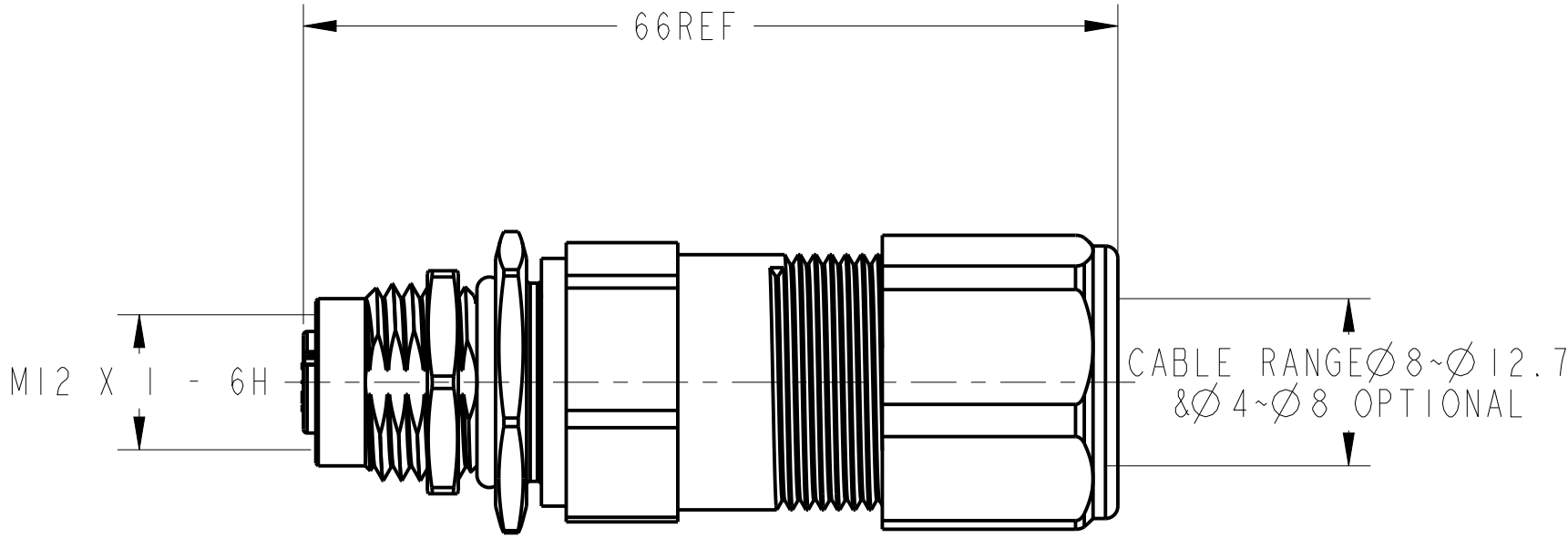
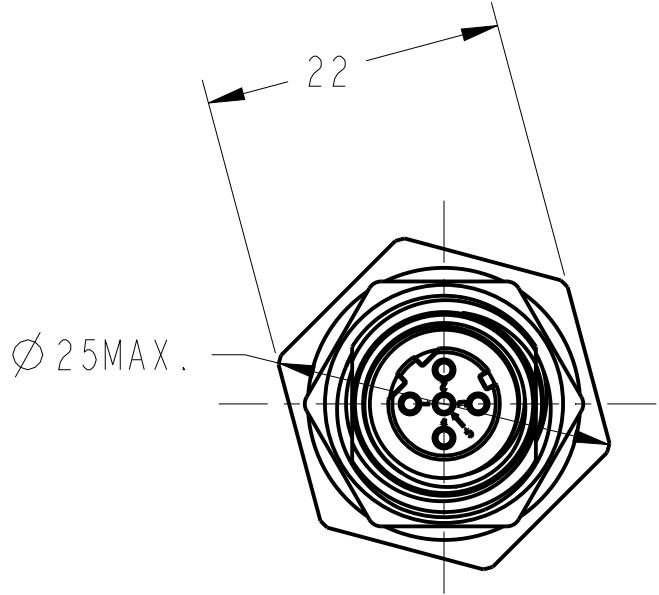


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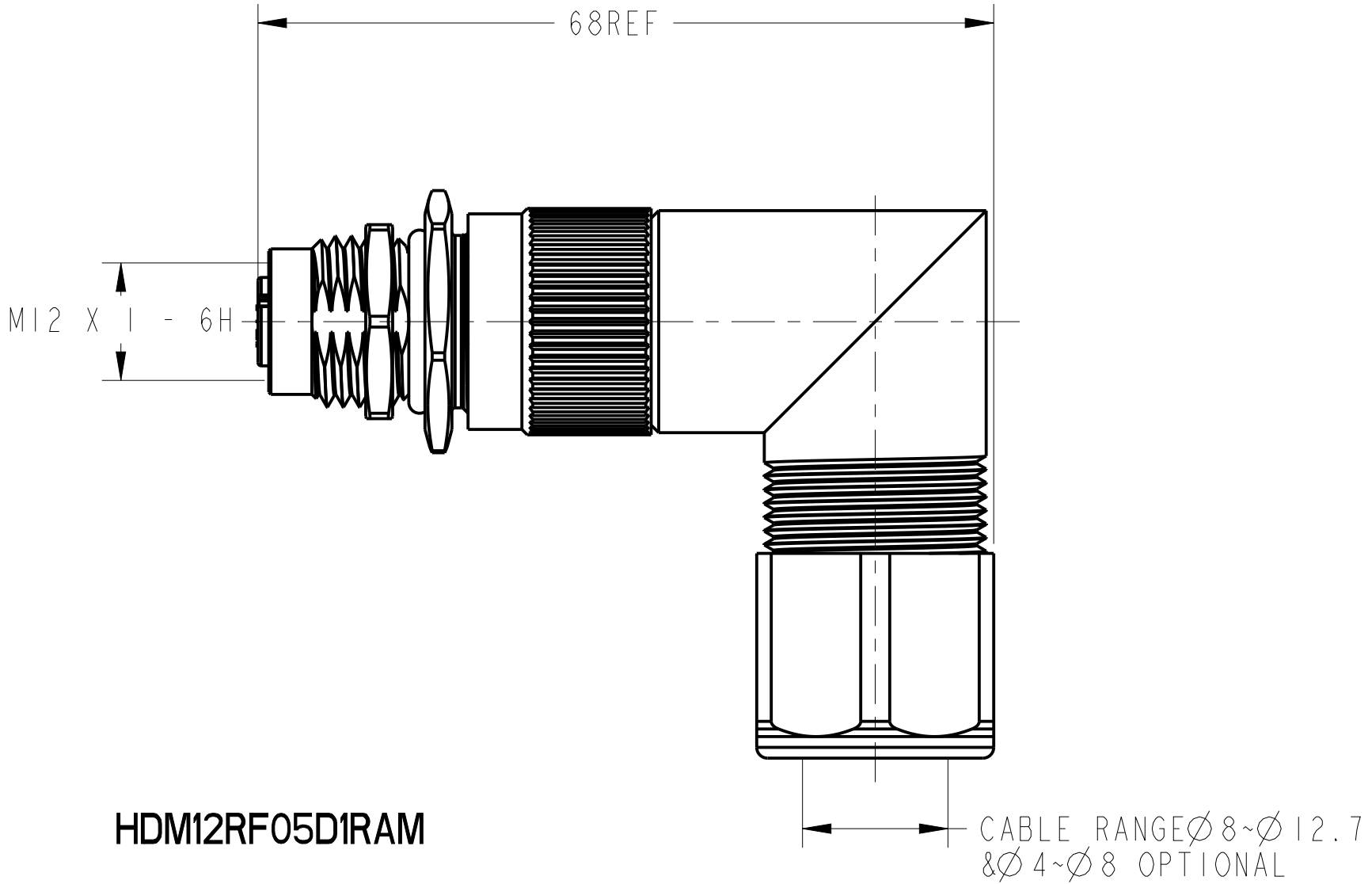
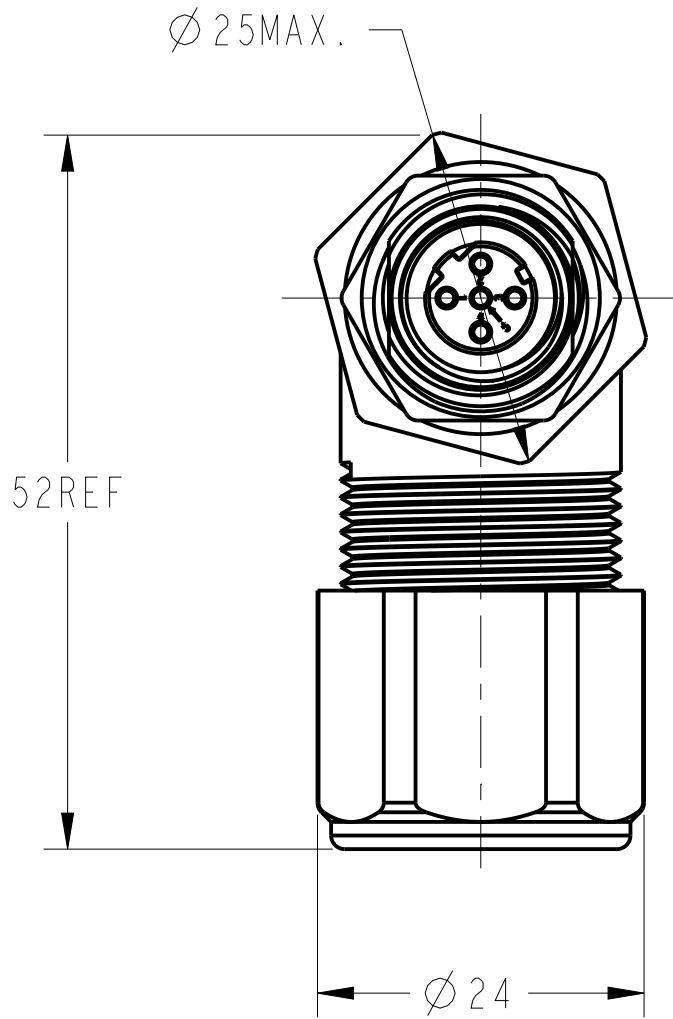
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DOCUMENT NO.	SHEET 2 OF 7	REV.
HDM12 M	PA6	

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



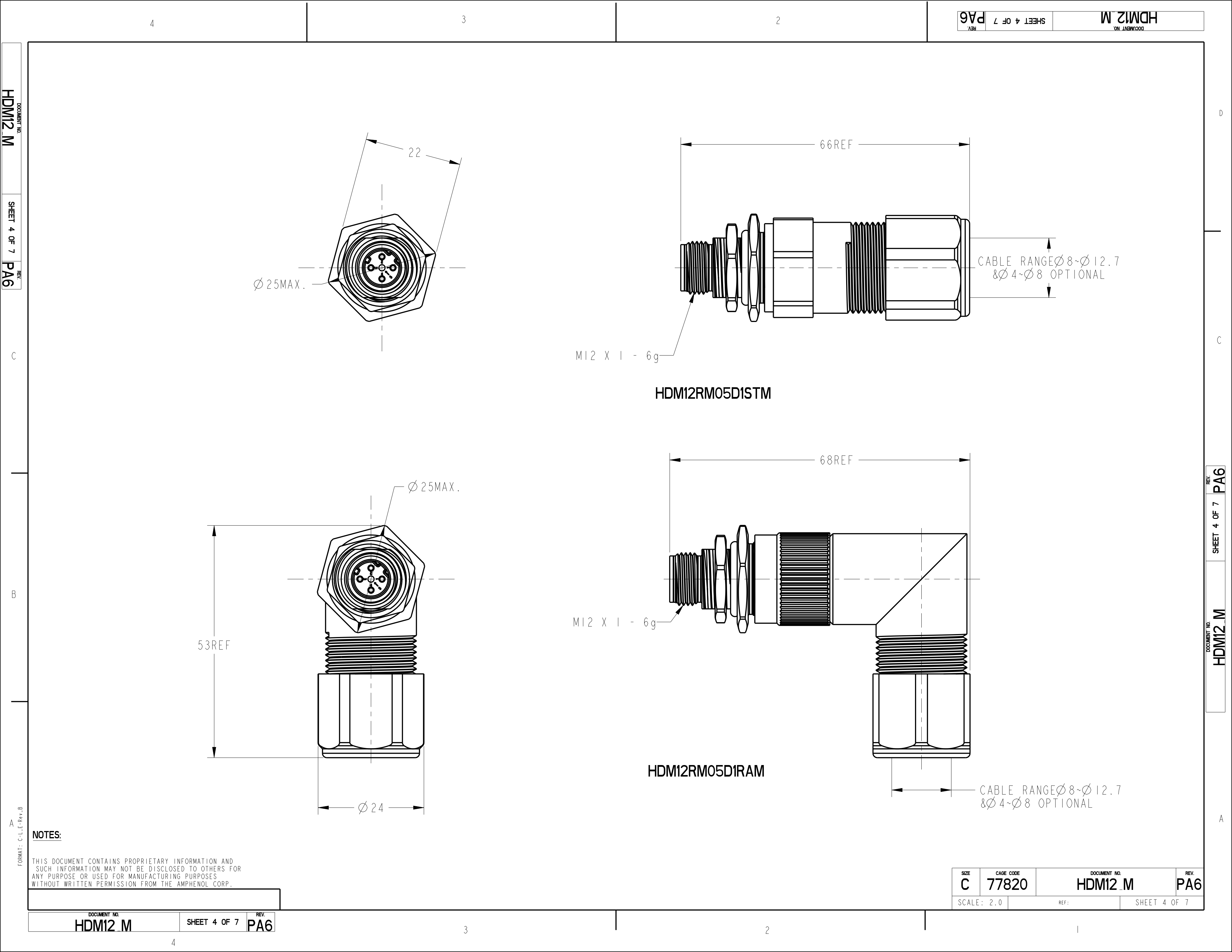
HDM12RF05D1STM



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

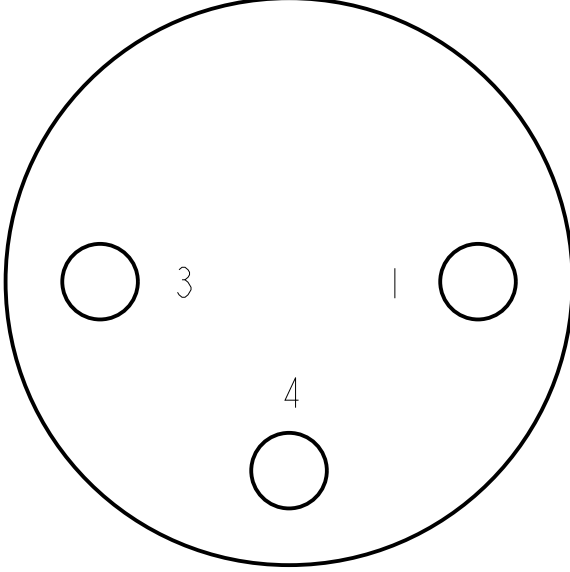
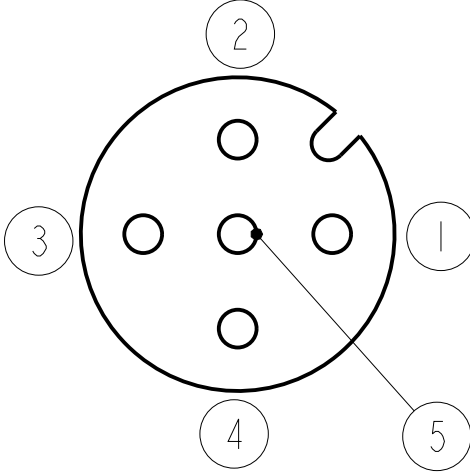
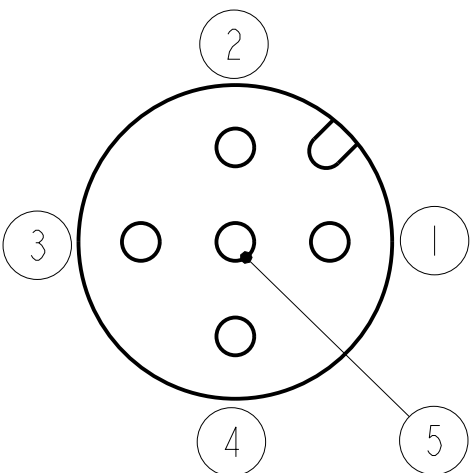
CODING

Male

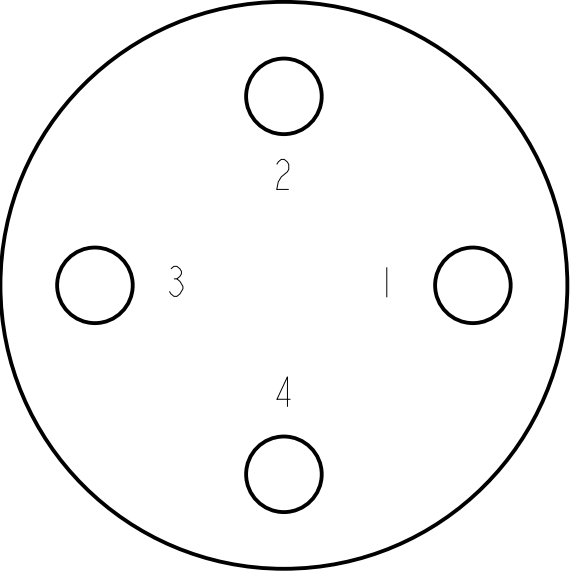
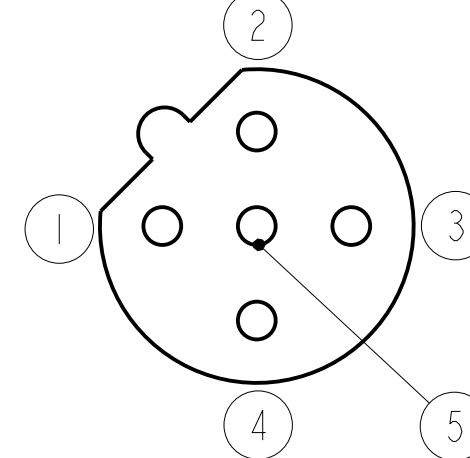
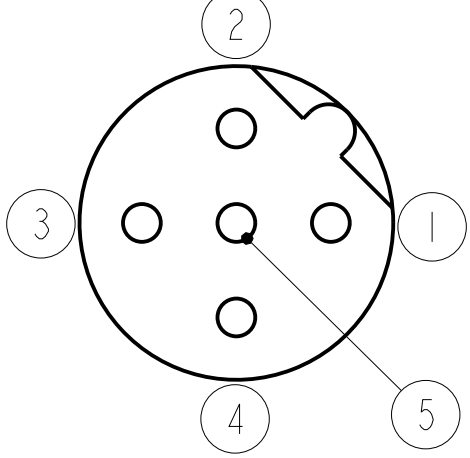
Female

INSERT ARRANGEMENT

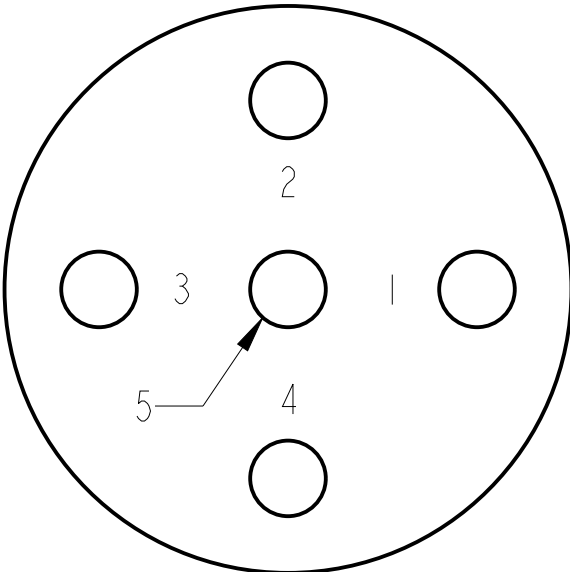
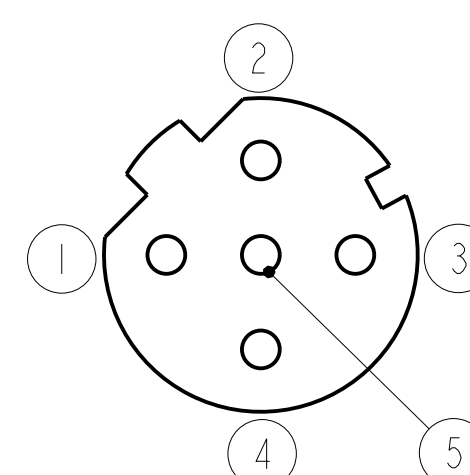
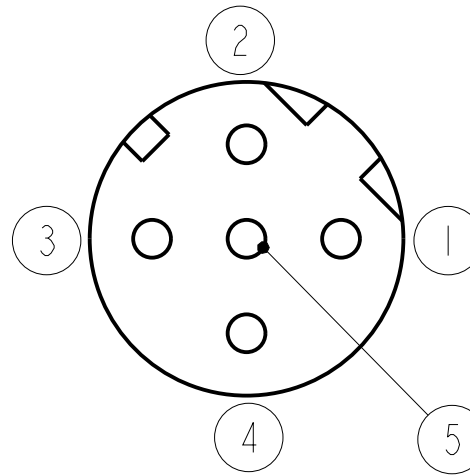
A - CODING
(5 POLE)



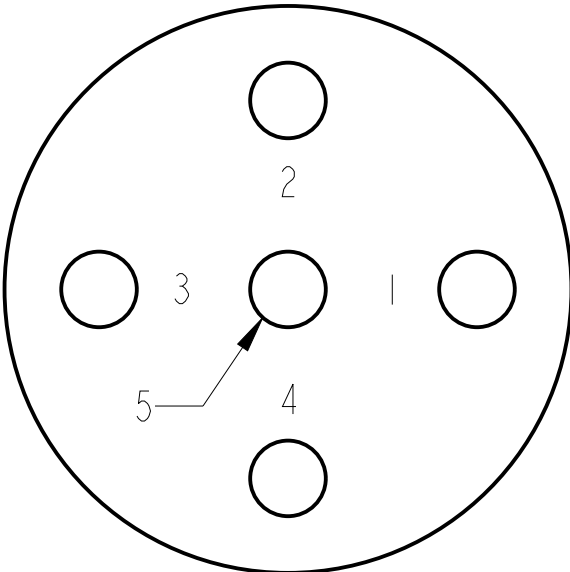
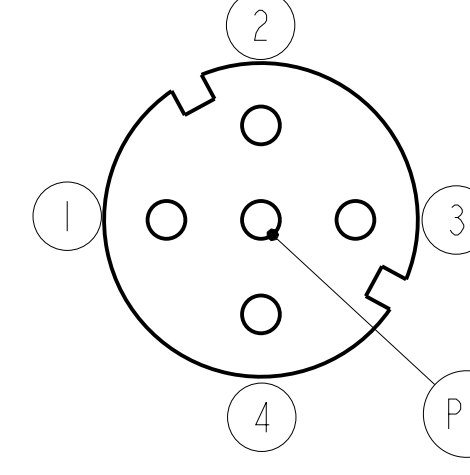
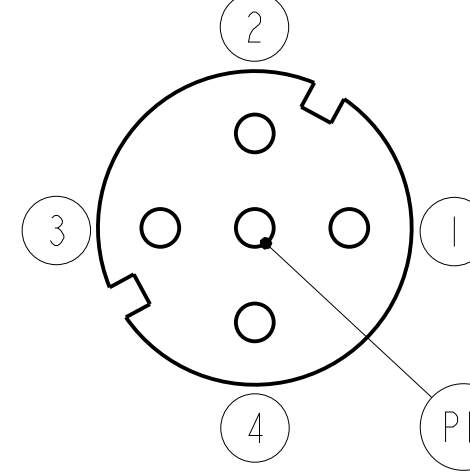
B - coding
(5 POLE)



D - coding
(5 POLE)



P - coding
(4 + PE POLE)



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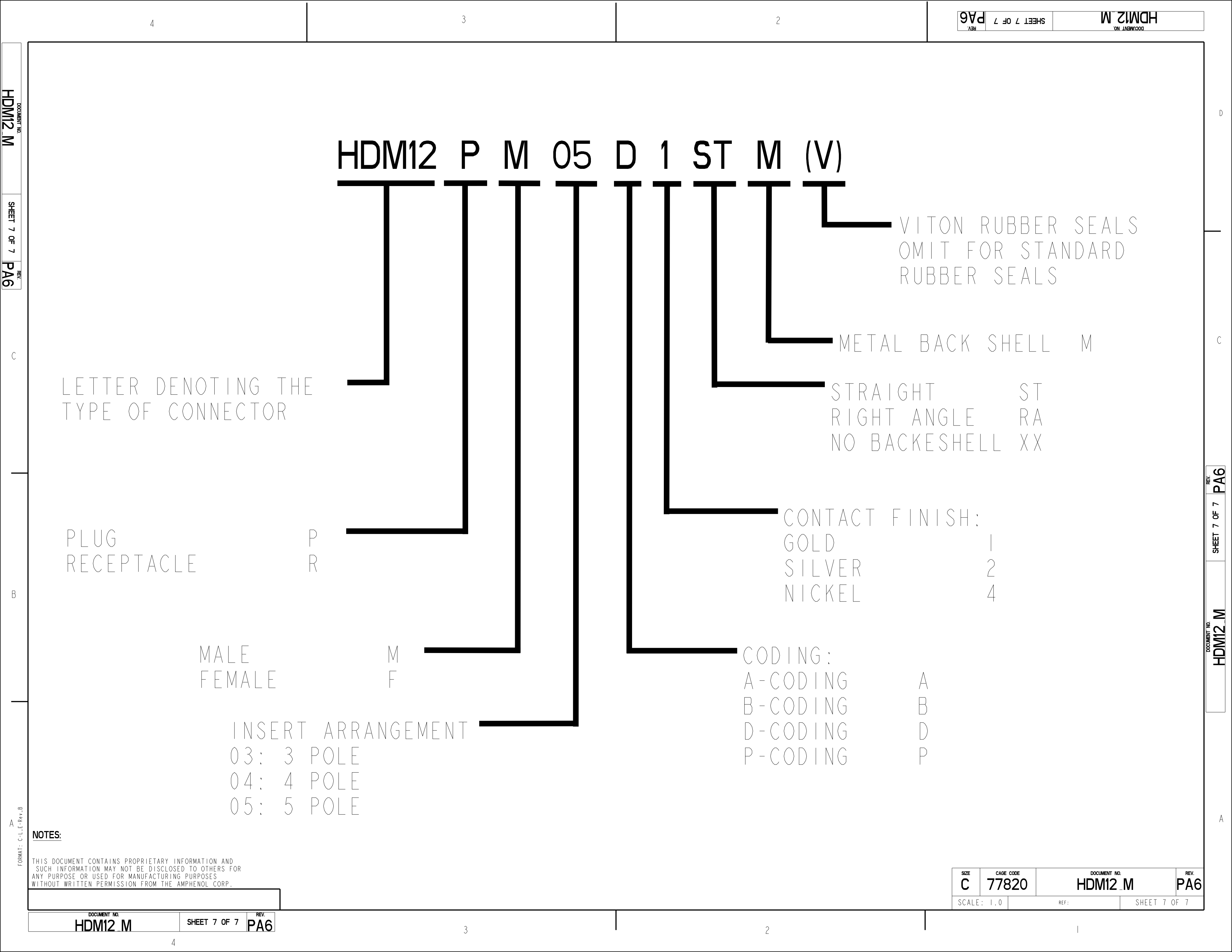
SPECIFICATION

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 HDMI2RF	
	1-6 mm FOR HDMI2RF	
SHELL PLATING	NICKEL PLATED	

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SIZE C	CAGE CODE 77820	DOCUMENT NO. HDM12_M	REV. PA6
SCALE: 1:0		REF:	SHEET 6 OF 7



HDM12 M 05 D 1 ST M (V)

VITON RUBBER SEALS
OMIT FOR STANDARD
RUBBER SEALS

METAL BACK SHELL M

STRAIGHT ST
RIGHT ANGLE RA
NO BACKSHELL XX

CONTACT FINISH:
GOLD 1
SILVER 2
NICKEL 4

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

MALE
FEMALE M
F

INSERT ARRANGEMENT
03: 3 POLE
04: 4 POLE
05: 5 POLE

LETTER DENOTING THE
TYPE OF CONNECTOR

PLUG
RECEPTACLE P
R

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