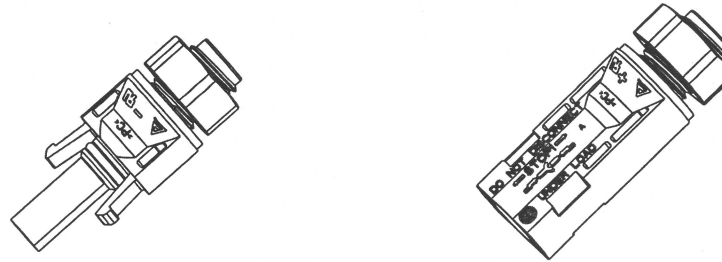


# CUSTOMER DRAWING



## FIXED CONNECTOR (H4 BULKHEAD M12 TOOL UNLOCK)

4. FLAT GASKET SHOULD BE ASSEMBLED BUT NUT SHOULD NOT BE ASSEMBLED TO THE BODY. SOCKET AND PIN SHOWN INSTALLED FOR REFERENCE ONLY.
3. SPECIFICATIONS:

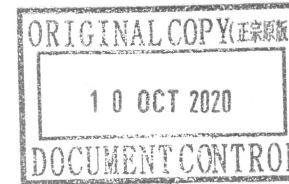
DESCRIPTIONS	SPECIFICATIONS		
CONTACT SIZE	2.5mm <sup>2</sup> /14AWG	4mm <sup>2</sup> /12AWG	6mm <sup>2</sup> /10AWG
RATED CURRENT (TUV)	25A @85°C;	35A @85°C;	45A @85°C;
RATED CURRENT (UL)	15A	20A	30A
RATED SYSTEM VOLTAGE	1500V DC(UL 6703) 1500V DC(IEC 62852)		
UL CERTIFICATE NO	UL E339277		
TUV CERTIFICATE NO	TUV R50388083		
CONTACT RESISTANCE WITH C&F	0.25mΩ TYP.		
CONTACT RESISTANCE WITH S&F	0.30mΩ TYP.		
DEGREE OF PROTECTION, MATED	IP68(1m, 1h)		
PIN CONTACT MATERIAL	COPPER, TIN PLATED		
INSULATION MATERIAL	THERMOPLASTIC		
AMBIENT TEMPERATURE RANGE	-40°C TO +85°C		
STRIP LENGTH	7.0±0.5 mm		
CABLE JACKET DIAMETER	4.5 TO 7.8mm		

2. INSTALLATION SPECIFICATIONS REFER TO THE INSTALLATION MANUAL WI-S060-ENG.
1. RECOMMEND USE AMPHENOL SPECIFIC CRIMP TOOL FOR HAND CRIMP.

**NOTES:**

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N/A	PRO/ENGINEER INFORMATION
NEXT ASSEMBLY	Pro/e Model Used: PH 430120 (SR 4006)M12-ASSEM
METRIC DOCUMENT	Drawing Name: H4_BH_M12_CUSTOMER_DRAWING



REVISIONS		
LTR	DESCRIPTION	DATE
H	UPDATE DRAWING	2013-10-26
I	ADD H4-R DETAIL	2014-11-18
J	UPDATE RATED CURRENT	2015-08-17
K	UPDATE UL 1000V TO 1500V	2015-11-11
L	UPDATE IEC 1000V TO 1500V AND TAKE M14 BIG O-RING OUT	2017-10-26
M	UPDATE CABLE SPECIFICATIONS	2018-6-14
N	UPDATE THE NUT DIMENSION AND NOTES	2019-05-28
P	UPDATE SPECIFICATIONS	2020-10-09

*Handwritten signature*

UNLESS OTHERWISE SPECIFIED	SPECIFICATIONS	POS	QTY	PART NUMBER	DESCRIPTION	NOTE
LINEAR DIMENSIONS ARE IN: <b>MILLIMETERS</b> 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	MATERIAL SPEC. N/A	APPROVALS	DATE	PARTS LIST		
	PROCESS SPEC. N/A	PREPARED BY: Shirley	2015-11-11	Amphenol Technology (ShenZhen) Co.,Ltd Building C, 2nd Industrial Zone of Xia Shi Jia, Jiangshi Community, Gongming Sub-district, Guangming New District, Shenzhen, PRC		
		DESIGN MANAGER: Robert		H4 bulkhead connector customer drawing		
		DESIGN ACTIVITY GROUP		SIZE: C	CAGE CODE: 77820	DOCUMENT NO: H4C()
		THIRD ANGLE PROJECTION		SCALE: 1:0	REV: 4	SHEET 1 OF 4
LEGENDS: △ - FLAG NOTE CALL OUT REFERENCE ONLY						

DOCUMENT NO  
H4C()

SHEET 1 OF 4

REV  
P

C

B

A

D

C

REV  
P

SHEET 1 OF 4

DOCUMENT NO  
H4C()

A

DOCUMENT NO  
H4C()

SHEET 1 OF 4

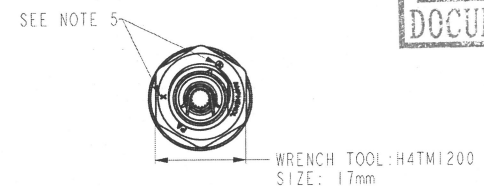
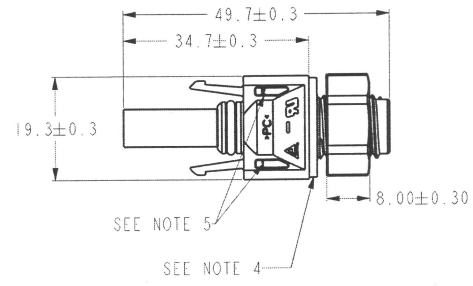
REV  
P

4

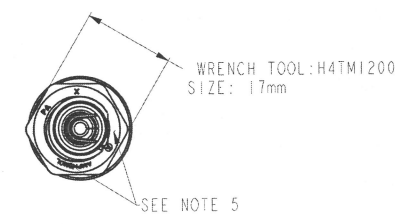
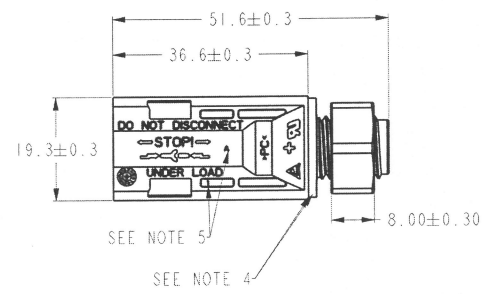
2

FIXED CONNECTOR  
(HELIOS H4 BULKHEAD M12)

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FEMALE



MALE

- 8. IT IS FORBIDDEN TO MATING WITH OTHER BRAND CONNECTOR.
- 7. SUGGEST CUSTOMER USING DOUBLE 1.25 SAFTY FACTOR FOR FILELD USING.
- 6. PLEASE BE AWARE THAT THE 3rd PARTY LABORATORY TEST JUST AS A REFERENCE FOR APPLICATION DESIGN. IT'S CUSTOMER'S RESPONSIBILITY TO VALIDATE SYSTEM FUNCTION AND CONNECTOR DURABILITY AT SPECIFIC APPLICATION AND EXTREME ENVIRONMENT CONDITIONS. WE RECOMMEND CUSTOMER TO CONSIDER MARGIN IN APPLICATION DESIGN TO AVOID OVERHEAT IN HIGH CURRENT SITUATION.
- 5. THE MARK OF LETTERS JUST THE VERSION OF THE PLASTIC PARTS FOR AMPHENOL'S MANUFACTURE PROCEDURE, WHEN THE CUSTOMER INSPECT THE PRODUCT, THEY CAN IGNORE THESE NUMBERS.

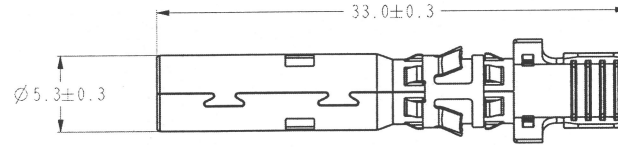
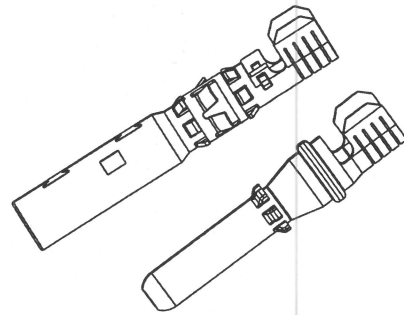
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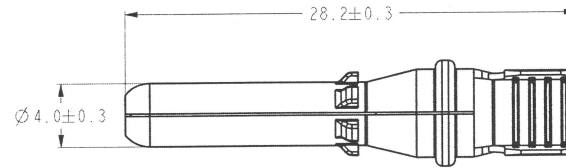
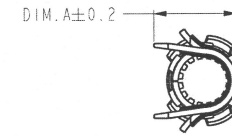
SIZE C	CAGE CODE 77820	DOCUMENT NO. H4C()	REV. P
SCALE: 1:0		REF.	SHEET 2 OF 4

DOCUMENT NO. H4C() SHEET 2 OF 4 REV. P  
 FORM: C-1-1 (Rev. 8)

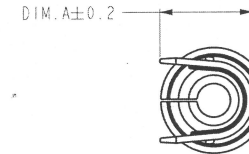
### STAMPING & FORM CONTACT



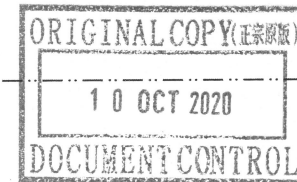
SOCKET (FEMALE)



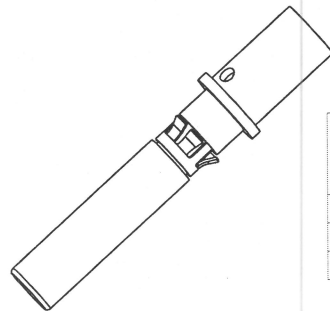
PIN (MALE)



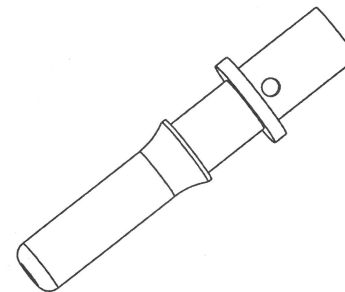
CABLE SIZE	A (mm)
1.5 & 2.5mm <sup>2</sup>	4.8
4.0 & 6.0mm <sup>2</sup>	5.8



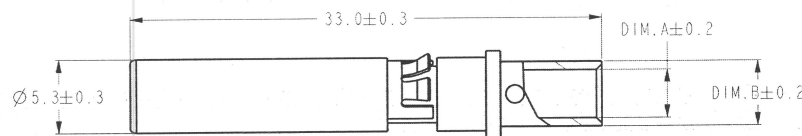
### COLD FORGING CONTACT



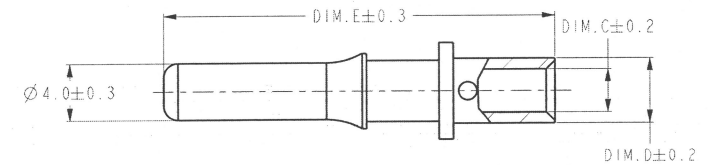
ACCEPT WIRE CONDUCTOR SIZE mm <sup>2</sup> (AWG)	"A"	"B"
2.5 (14)	2.30	3.51
4.0 (12)	3.05	4.57
6.0 (10)	3.76	6.00



ACCEPT WIRE CONDUCTOR SIZE mm <sup>2</sup> (AWG)	"C"	"D"	"E"
2.5 (14)	2.30	3.51	27.5
4.0 (12)	3.05	4.57	27.5
6.0 (10)	3.76	6.00	28.3



SOCKET (FEMALE)



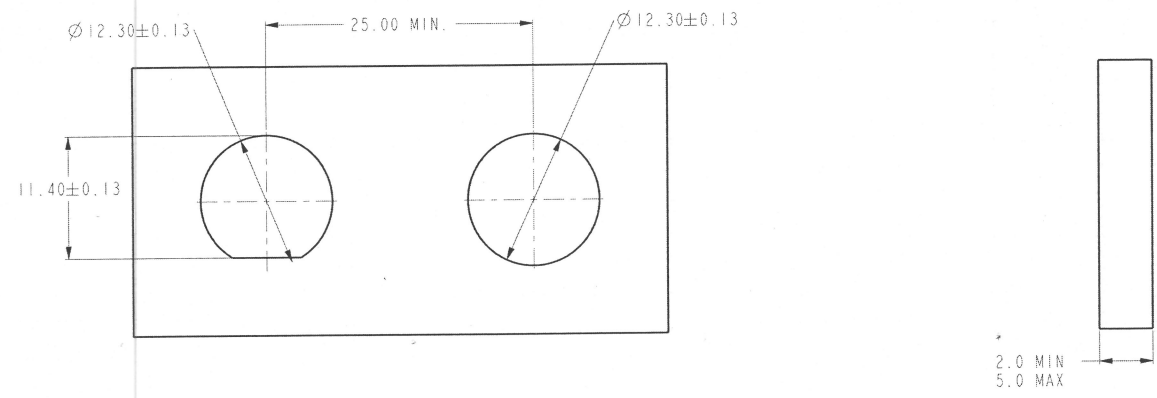
PIN (MALE)

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SIZE C	CAGE CODE 77820	DOCUMENT NO. H4C()	REV. P
SCALE: 1:0	REF.	SHEET 3 OF 4	

# PANEL SPECIFICATION



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## BULKHEAD M12

### H4CFM4DMS

- (BLANK): COLD FORGING CONTACT OR WITHOUT CONTACT
- S: STAMPING FORMING
- I: INDIVIDUAL PACKING WITH PE BAG (800PCS PER BOX)
- C: BULK PACK 100PCS WITH PE BAG (1000PCS PER BOX)
- M: BULK PACK 500PCS PER PE BAG (1000PCS PER BOX)
- D: TUV & UL APPROVAL
- 0: WITHOUT CONTACT
- 2: FOR 2.5mm<sup>2</sup>/14AWG CABLE (FOR CF, ALSO FOR 15 & 2.5mm<sup>2</sup>/16 & 14AWG S&F)
- 4: FOR 4.0mm<sup>2</sup>/12AWG CABLE (FOR CF, ALSO FOR 4.0 & 6.0mm<sup>2</sup>/12 & 10AWG S&F)
- 6: FOR 6.0mm<sup>2</sup>/10AWG CABLE (FOR CF ONLY)
- M: H4 BULKHEAD M12
- F: FEMALE
- M: MALE

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# ORDER P/N IN SYSTEM:

SIZE C	CAGE CODE 77820	DOCUMENT NO. H4C()	REV. P
SCALE: 1:0		REF:	SHEET 4 OF 4

DOCUMENT NO. H4C() SHEET 4 OF 4 REV. P  
 FORM: C-LL-Form-B  
 A B C

DOCUMENT NO. H4C() SHEET 4 OF 4 REV. P

单击下面可查看定价，库存，交付和生命周期等信息

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