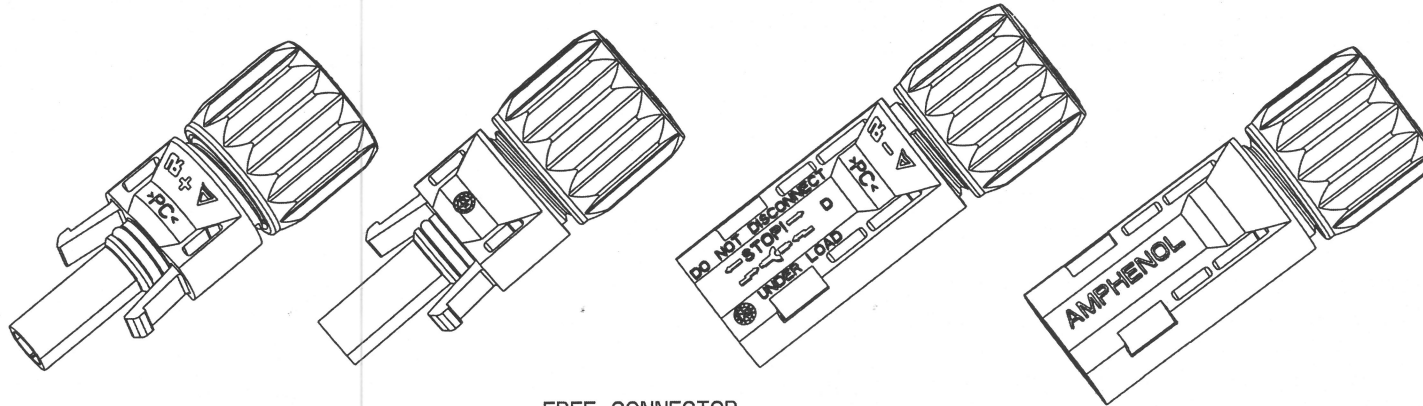


# CUSTOMER DRAWING



FREE CONNECTOR  
(HELIOS H4 CABLEGLAND)

3. SPECIFICATIONS:

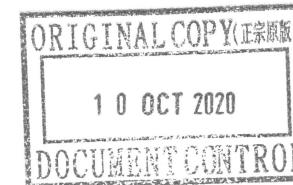
DESCRIPTIONS	SPECIFICATIONS		
CONTACT SIZE	2.5mm <sup>2</sup> /14AWG	4mm <sup>2</sup> /12AWG	6mm <sup>2</sup> /10AWG
RATED CURRENT (IEC 62852)	25A @85°C;	35A @85°C;	45A @85°C;
RATED CURRENT (UL 6703)	15A	20A	30A
RATED SYSTEM VOLTAGE	1500V DC(UL) 1000V DC(TUV)		
CERTIFICATE NO(TUV 62852).	R 50388083		
CERTIFICATE NO(UL 6703).	E 339277		
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-S037-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:
METRIC DOCUMENT	H4_CB_CUSTOMER_DRAWING_PART
	Drawing Name:
	H4_CB_CUSTOMER_DRAWING



H4C(I)C(I)		
REVISIONS		
LTR	DESCRIPTION	DATE
I	ADD H4-R DETAIL	2014-11-18
J	UPDATE RATED CURRENT	2015-09-18
K	UPDATE UL1000V TO 1500V	2015-11-11
L	UPDATE IEC 62852	2017-12-03
M	UPDATE SPECIFICATIONS AND NOTES	2018-06-14
N	UPDATE NOTES AND SPECIFICATIONS	2020-10-09

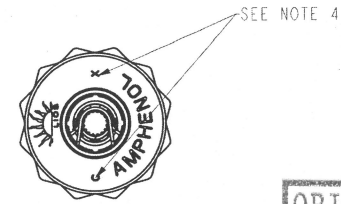
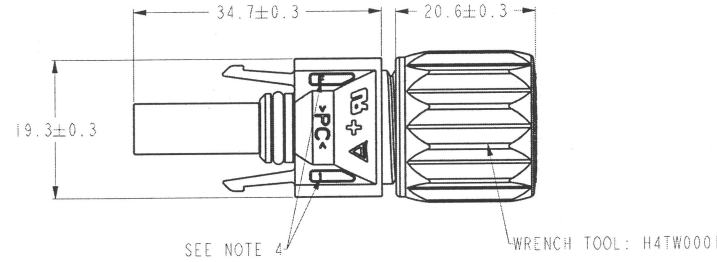
*[Handwritten signature]*

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 <b>Amphenol Technology (ShenZhen) Co.,Ltd</b> Building C, 2nd Industrial Zone of Xia Shi Jia, Jiangshi Community, Gongming Sub-district, Guangming New District, Shenzhen, PRC		
PROCESS SPEC. N/A	THIRD ANGLE PROJECTION	PREPARED BY: Jimly	2014-11-18	Helios H4 Cablegland connector customer drawing		
LEGENDS: △ FLAG NOTE CALL OUT REFERENCE ONLY		DESIGN MANAGER: Allen		SIZE: C	CAGE CODE: 77820	DOCUMENT NO: H4C(I)C(I)
		DESIGN ACTIVITY GROUP: C&I		SCALE: 1:0		REV: N
						SHEET 1 OF 4

DOCUMENT NO: H4C(I)C(I) SHEET 1 OF 4 REV: N

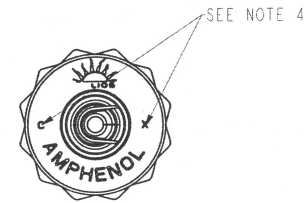
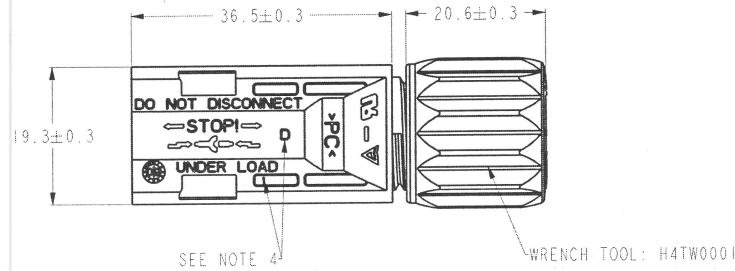
DOCUMENT NO: H4C(I)C(I) SHEET 1 OF 4 REV: N

FREE CONNECTOR  
(HELIOS H4 CABLEGLAND)



ORIGINAL COPY (正本)  
10 OCT 2020  
DOCUMENT CONTROL

FEMALE



MALE

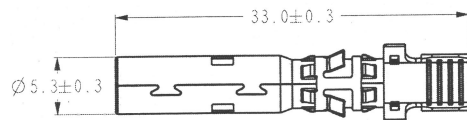
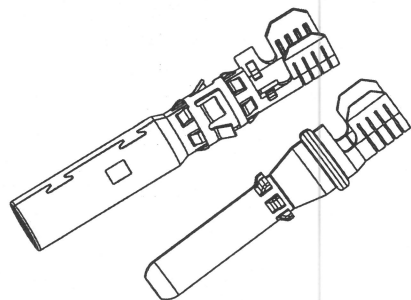
- 7. IT IS FORBIDDEN TO MATING WITH OTHER BRAND CONNECTOR.
- 6. SUGGEST CUSTOMER USING DOUBLE 1.25 SAFTY FACTOR FOR FILELD USING.
- 5. PLEASE BE AWARE THAT THE 3rd PARTY LABORATORY TEST JUST AS A REFERENCE FOR APPLICATION DESIGN. IT'S CUSTOMER'S RESPONSIBILITY TO VALIDATE SYSTEM FUNCTION AND CONNECTOR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

NOTES:

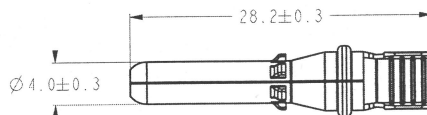
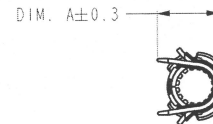
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SIZE C	CAGE CODE 77820	DOCUMENT NO. H4C(IC)	REV. N
SCALE: 1:0		REF:	SHEET 2 OF 4

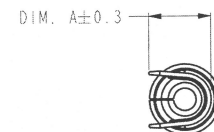
### STAMPING & FORMING CONTACT



SOCKET (FEMALE)

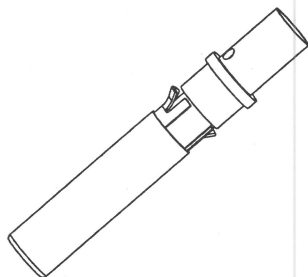


PIN (MALE)

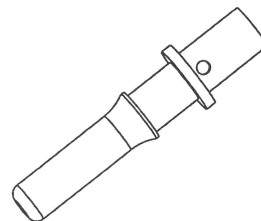


CABLE SIZE	A (mm)
1.5 & 2.5mm <sup>2</sup>	4.8
4.0 & 6.0mm <sup>2</sup>	5.8

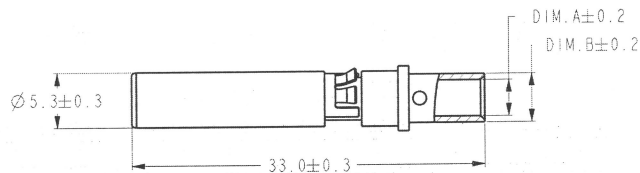
### COLD FORGING CONTACT



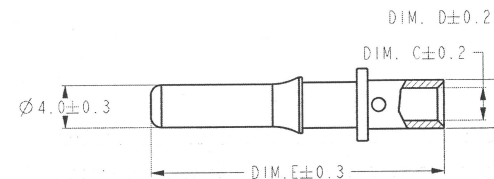
ACCEPT WIRE CONDUCTOR SIZE mm <sup>2</sup> (AWG)	"A"	"B"
2.5 (14)	2.30	3.51
4.0 (12)	3.05	4.57
6.0 (10)	3.76	6.00



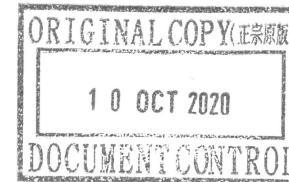
ACCEPT WIRE CONDUCTOR SIZE mm <sup>2</sup> (AWG)	"C"	"D"	"E"
2.5 (14)	2.30	3.51	27.5
4.0 (12)	3.05	4.57	27.5
6.0 (10)	3.76	6.00	28.3



SOCKET (FEMALE)



PIN (MALE)



**NOTES:**

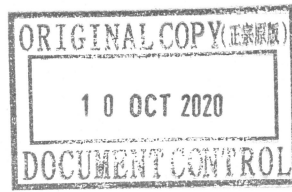
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SIZE <b>C</b>	CASE CODE <b>77820</b>	DOCUMENT NO. <b>H4C(I)C(1)</b>	REV. <b>N</b>
SCALE: 1:0		REF:	SHEET 3 OF 4

# ORDER P/N IN SYSTEM:

## H4CFC4DMS

- (BLANK): COLD FORGING CONTACT OR WITHOUT CONTACT
- S: STAMPING & FORMING CONTACT
- 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
- O: 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)
- C: H4 CABLE GLAND
- F: FEMALE
- M: MALE



**NOTES:**

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

DOCUMENT NO. H4C(I)C SHEET 4 OF 4 REV. N

DOCUMENT NO. H4C(I)C SHEET 4 OF 4 REV. N

单击下面可查看定价，库存，交付和生命周期等信息

[>>Amphenol\(安费诺\)](#)