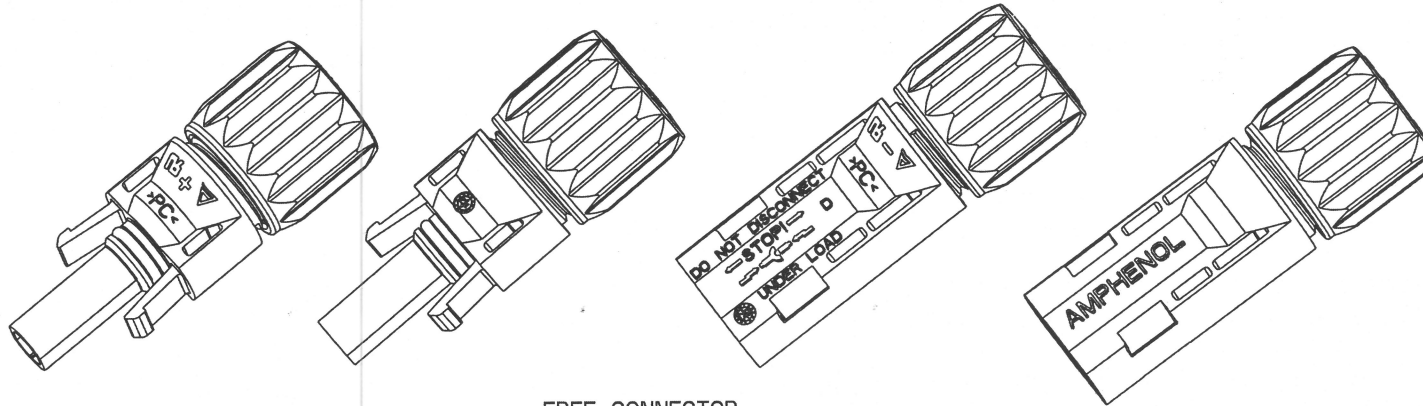


# CUSTOMER DRAWING



FREE CONNECTOR  
(HELIOS H4 CABLEGLAND)

3. SPECIFICATIONS:

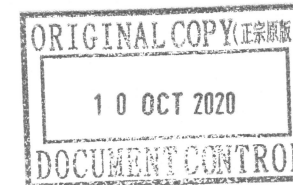
| DESCRIPTIONS                | SPECIFICATIONS                |                         |                         |
|-----------------------------|-------------------------------|-------------------------|-------------------------|
| CONTACT SIZE                | 2.5mm <sup>2</sup> /14AWG     | 4mm <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)<br>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      |



| 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 |

| UNLESS OTHERWISE SPECIFIED                                                                                                                                                                                            | SPECIFICATIONS        | POS                        | QTY        | PART NUMBER                                                                                                                                                                   | DESCRIPTION             | NOTE            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------|
| LINEAR DIMENSIONS ARE IN:<br><b>MILLIMETERS</b><br>TOLERANCES:<br>ANGLES: ±2°<br>DEFAULT LINEAR TOLERANCES SEE TABLE<br>DIM & TOL PER ASME Y14.5M-1994;<br>DRM PER MIL-DTL-31000;<br>OTHER AMPHENOL STANDARDS: 9-9318 | MATERIAL SPEC.<br>N/A | APPROVALS                  | DATE       | PARTS LIST                                                                                                                                                                    |                         |                 |
|                                                                                                                                                                                                                       | PROCESS SPEC.<br>N/A  | PREPARED BY: Jimly         | 2014-11-18 | Amphenol Technology (ShenZhen) Co.,Ltd<br>Building C, 2nd Industrial Zone of Xia Shi Jia, Jiangshi Community,<br>Gongming Sub-district, Guangming New District, Shenzhen, PRC |                         |                 |
|                                                                                                                                                                                                                       |                       | DESIGN MANAGER: Allen      |            | Helios H4 Cablegland connector<br>customer drawing                                                                                                                            |                         |                 |
|                                                                                                                                                                                                                       |                       | DESIGN ACTIVITY GROUP: C&I |            | THIRD ANGLE PROJECTION                                                                                                                                                        | SIZE C                  | CAGE CODE 77820 |
| LEGENDS:<br>△ FLAG NOTE CALL OUT REFERENCE ONLY                                                                                                                                                                       |                       |                            |            |                                                                                                                                                                               | DOCUMENT NO. H4C(I)C(I) | REV. N          |
|                                                                                                                                                                                                                       |                       |                            |            |                                                                                                                                                                               | SCALE: 1:0              | SHEET 1 OF 4    |

DOCUMENT NO.  
H4C(I)C(I)

SHEET 1 OF 4

REV.  
N

C

B

A

REV.  
SHEET 1 OF 4  
N

DOCUMENT NO.  
H4C(I)C(I)

A

DOCUMENT NO.  
H4C(I)C(I)

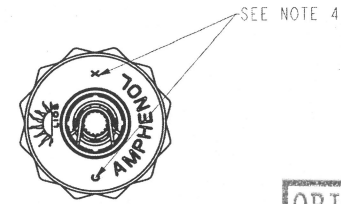
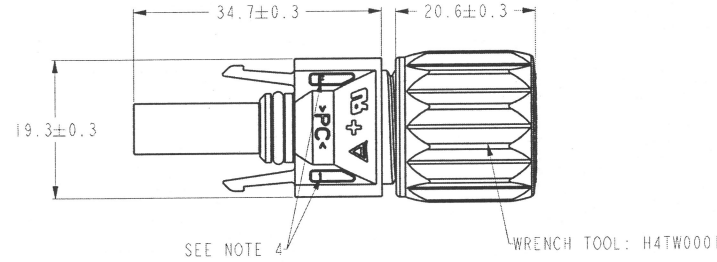
SHEET 1 OF 4

REV.  
N

4

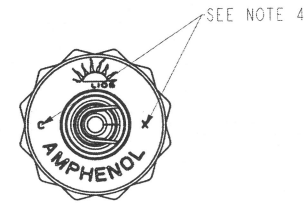
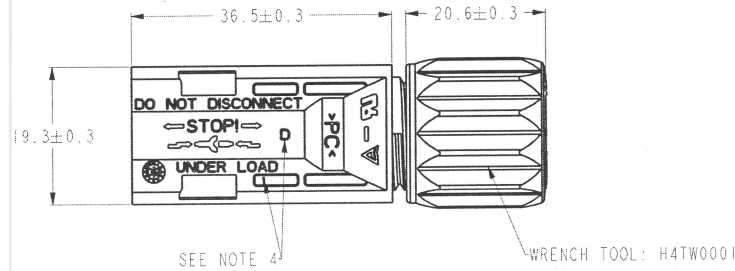
2

FREE CONNECTOR  
(HELIOS H4 CABLEGLAND)



ORIGINAL COPY (正本)  
10 OCT 2020  
DOCUMENT CONTROL

FEMALE



MALE

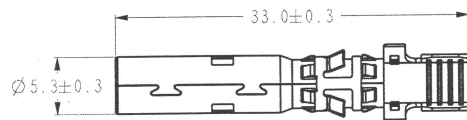
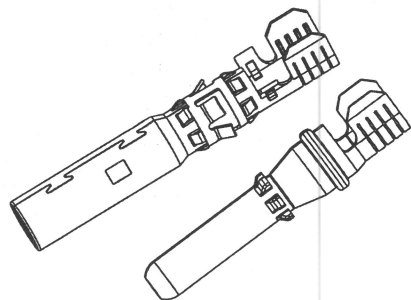
7. IT IS FORBIDDEN TO MATING WITH OTHER BRAND CONNECTOR.
6. SUGGEST CUSTOMER USING DOUBLE 1.25 SAFTY FACTOR FOR FILELD USING.
5. PLEASE BE AWARE THAT THE 3rd PARTY LABORATORY TEST JUST AS A REFERENCE FOR APPLICATION DESIGN. IT'S CUSTOMER'S RESPONSIBILITY TO VALIDATE SYSTEM FUNCTION AND CONNECTOR DURABILITY 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:

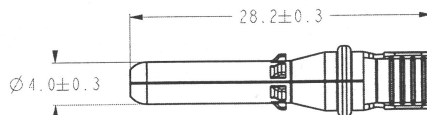
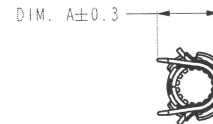
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|            |                    |                         |              |
|------------|--------------------|-------------------------|--------------|
| SIZE<br>C  | CAGE CODE<br>77820 | DOCUMENT NO.<br>H4C(IC) | REV.<br>N    |
| SCALE: 1:0 |  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

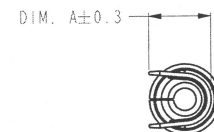
### STAMPING & FORMING CONTACT



SOCKET (FEMALE)

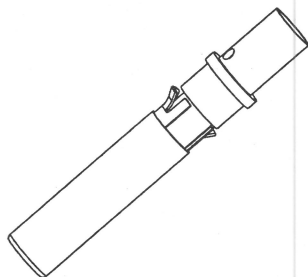


PIN (MALE)

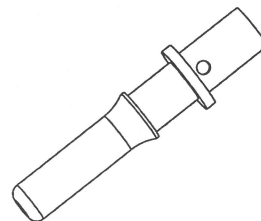


| CABLE SIZE               | A (mm) |
|--------------------------|--------|
| 1.5 & 2.5mm <sup>2</sup> | 4.8    |
| 4.0 & 6.0mm <sup>2</sup> | 5.8    |

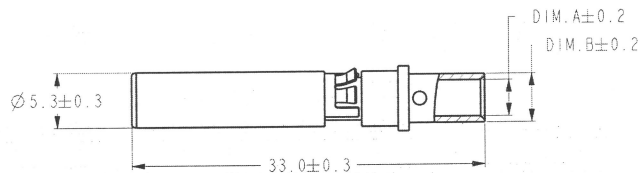
### COLD FORGING CONTACT



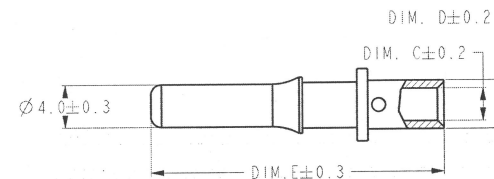
| ACCEPT WIRE CONDUCTOR SIZE mm <sup>2</sup> (AWG) | "A"  | "B"  |
|--------------------------------------------------|------|------|
| 2.5 (14)                                         | 2.30 | 3.51 |
| 4.0 (12)                                         | 3.05 | 4.57 |
| 6.0 (10)                      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



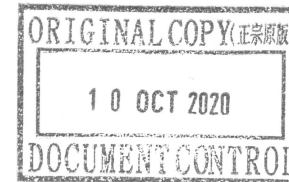
| ACCEPT WIRE CONDUCTOR SIZE mm <sup>2</sup> (AWG) | "C"  | "D"  | "E"  |
|--------------------------------------------------|------|------|------|
| 2.5 (14)                                         | 2.30 | 3.51 | 27.5 |
| 4.0 (12)                                         | 3.05 | 4.57 | 27.5 |
| 6.0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



SOCKET (FEMALE)



PIN (MALE)



**NOTES:**

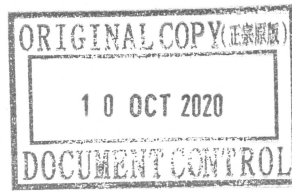
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|                  |                           |                                   |                  |
|------------------|---------------------------|-----------------------------------|------------------|
| SIZE<br><b>C</b> | CASE CODE<br><b>77820</b> | DOCUMENT NO.<br><b>H4C(I)C(1)</b> | REV.<br><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



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|            |                    |                         |              |
|------------|--------------------|-------------------------|--------------|
| SIZE<br>C  | CAGE CODE<br>77820 | DOCUMENT NO.<br>H4C(I)C | REV.<br>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

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