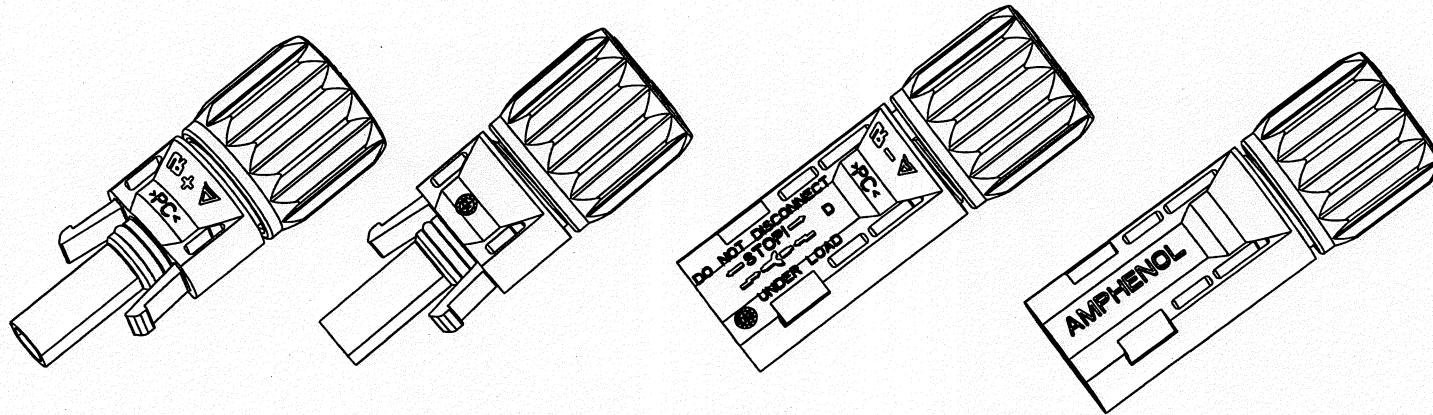


CUSTOMER DRAWING



**FREE CONNECTOR
(HELIOS H4 CABLEGLAND)**

3. SPECIFICATIONS:

DESCRIPTIONS	SPECIFICATIONS			
CONTACT SIZE	2.5mm ² /14AWG	4mm ² /12AWG	6mm ² /10AWG	10mm ² /8AWG
RATED CURRENT (TUV)	31A @85°C; 29A @90°C	42A @85°C; 39A @90°C	53A @85°C; 49A @90°C	65A @85°C; 65A @90°C
RATED CURRENT (UL)	15A	20A	30A	50A
RATED SYSTEM VOLTAGE	1500V DC(UL) 1000V DC(TUV)			1000V DC(UL) 1000V DC(TUV)
CERTIFICATE NO.	UL E339277		TUV R50157783	
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 +90°C			
STRIP LENGTH	7.0±0.5 mm			
CABLE JACKET DIAMETER	4.5 TO 7.8mm			

2. USE ONLY CRIMP TOOL AMPHENOL H4TC0001 FOR C&F AND H4TC0002 FOR S&F TO CRIMP CONTACTS

1. THIS ASSEMBLY SHALL BE CERTIFIED RoHS COMPLIANT TO THE EUROPEAN UNION DIRECTIVE 2002/95/EC AS AMENDED PER 2005/618/EC.

NOTES:

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N/A	PRO/ENGINEER INFORMATION
NEXT ASSEMBLY	Pro/e Model Used:
METRIC DOCUMENT	H4_CBL_CUSTOMER_DRAWING_PART
	Drawing Name:
	H4_CBL_CUSTOMER_DRAWING

UNLESS OTHERWISE SPECIFIED	SPECIFICATIONS	POS	QTY	PART NUMBER	DESCRIPTION	NOTE
LINER DIMENSIONS ARE IN: MILLIMETERS TOLERANCES: ANGLES = ±2° DEFAULT LINEAR TOLERANCES SEE TABLE	MATERIAL SPEC. N/A	APPROVALS		DATE	PARTS LIST	
DIM. & TOL. PER ASME Y14.5M-1994; DRM PER MIL-DTL-31000; OTHER AMPHENOL STANDARDS: 9-9318	PROCESS SPEC. N/A	THIRD ANGLE PROJECTION		2015-11-11	Amphenol Technology (ShenZhen) Co.,Ltd Building C, 2nd Industrial Zone of Xia Shi Jie, Jiangshi Community, Gongming Sub-district, Guangming New District, Shenzhen, PRC	
LEGENDS: △-FLAG NOTE CALL OUT REFERENCE ONLY					Helios H4 Cableglnd connector customer drawing	
		SIZE	CAGE CODE	DOCUMENT NO.	REV.	
		C	77820	H4C-(-)-C-(-)	K	
		SCALE: 1:0				SHEET 1 OF 4

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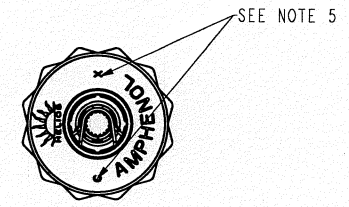
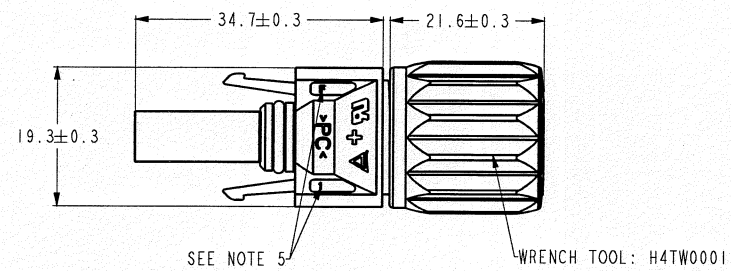
REVISIONS		
LTR	DESCRIPTION	DATE
F	UPDATE TUV MARK	2013-05-23
G	ADD C/N WITHOUT CONTACT	2013-08-09
H	UPDATE DRAWING	2013-10-26
I	ADD H4-R DETAIL	2014-11-18
J	UPDATE RATED CURRENT	2015-09-18
K	UPDATE UL1000V TO 1500V	2015-11-11

H4C-(-)-C-(-) SHEET 1 OF 4 K

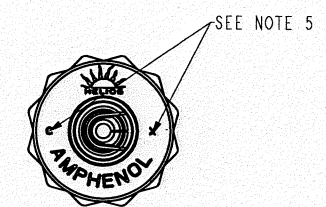
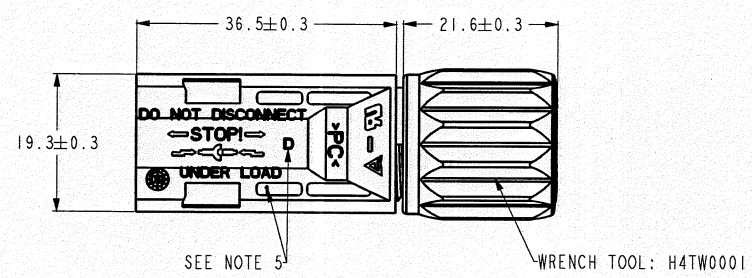
H4C-(-)-C-(-) SHEET 1 OF 4 K

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FREE CONNECTOR
(HELIOS H4 CABLEGLAND)



FEMALE



MALE

NOTES: 4. 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.

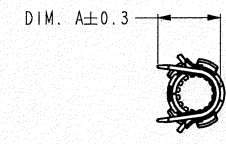
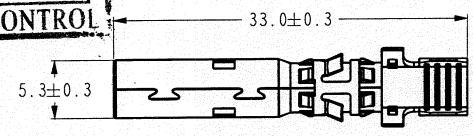
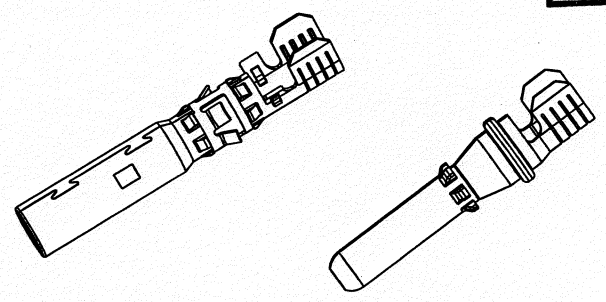
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DOCUMENT NO. H4C-(-)-C-(-) SHEET 2 OF 4 REV. K

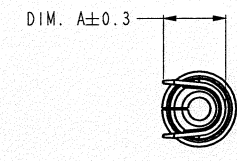
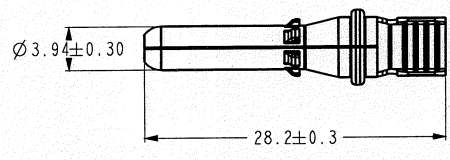
DOCUMENT NO. H4C-(-)-C-(-) SHEET 2 OF 4 REV. K

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STAMPING & FORM CONTACT



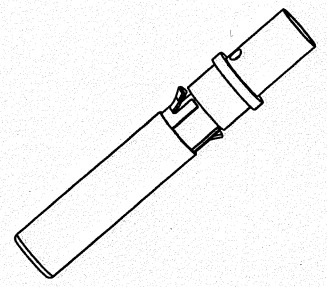
SOCKET (FEMALE)



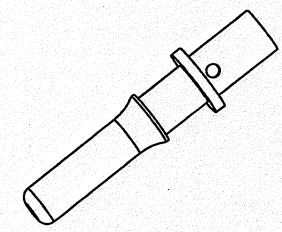
PIN (MALE)

CABLE SIZE	A (mm)
1.5 & 2.5mm ²	4.8
4.0 & 6.0mm ²	5.8

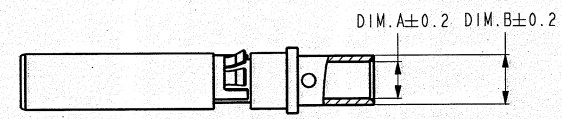
COLD FORGING CONTACT



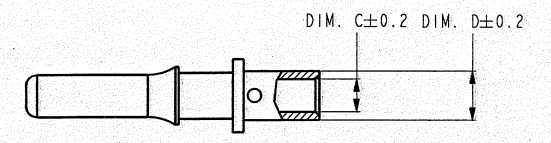
ACCEPT WIRE CONDUCTOR SIZE mm ² (AWG)	"A"	"B"
2.5 (14)	2.30	3.51
4.0 (12)	3.05	4.57
4&6 (12&10)	3.4	4.6
6.0 (10)	3.76	6.00
10.0 (8)	4.50	6.00



ACCEPT WIRE CONDUCTOR SIZE mm ² (AWG)	"C"	"D"
2.5 (14)	2.30	3.51
4.0 (12)	3.05	4.57
4&6 (12&10)	3.4	4.6
6.0 (10)	3.76	6.00
10.0 (8)	4.50	6.00



SOCKET (FEMALE)



PIN (MALE)

NOTES:

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DOCUMENT NO. H4C-(-)-C-(-) SHEET 3 OF 4 K REV. C, L, E, F, G, H, B

DOCUMENT NO. H4C-(-)-C-(-) SHEET 3 OF 4 K REV.

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ORDER P/N IN SYSTEM:

H4CFC4DMS

(BLANK): COLD FORGING CONTACT OR WITHOUT CONTACT
 S: STAMPING FORM 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 (FOR HELIOS H4)

0: WITHOUT CONTACT
 2: FOR 2.5mm²/14AWG CABLE (FOR C&F,
 AND ALSO FOR 15 & 2.5mm²/16 & 14AWG S&F)

4: FOR 4.0mm²/12AWG CABLE (FOR C&F,
 AND ALSO FOR 4.0 & 6.0mm²/12 & 10AWG S&F)

5: FOR 4.0mm²/12AWG & 6.0mm²/10AWG CABLE (FOR C&F ONLY)

6: FOR 6.0mm²/10AWG CABLE (FOR C&F ONLY)

8: FOR 10.0mm²/8AWG CABLE (FOR C&F ONLY)

C: H4 CABLE GLAND

F: FEMALE
 M: MALE

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SIZE C	CABLE CODE 77820	DOCUMENT NO. H4C-(-)-C-(-)	REV. K
SCALE: 1.0		REF:	SHEET 4 OF 4

DOCUMENT NO. H4C-(-)-C-(-)
 SHEET 4 OF 4
 REV. K
 C
 B
 A
 FORMAT: C-L-E-R-1-B

DOCUMENT NO. H4C-(-)-C-(-)
 SHEET 4 OF 4
 REV. K