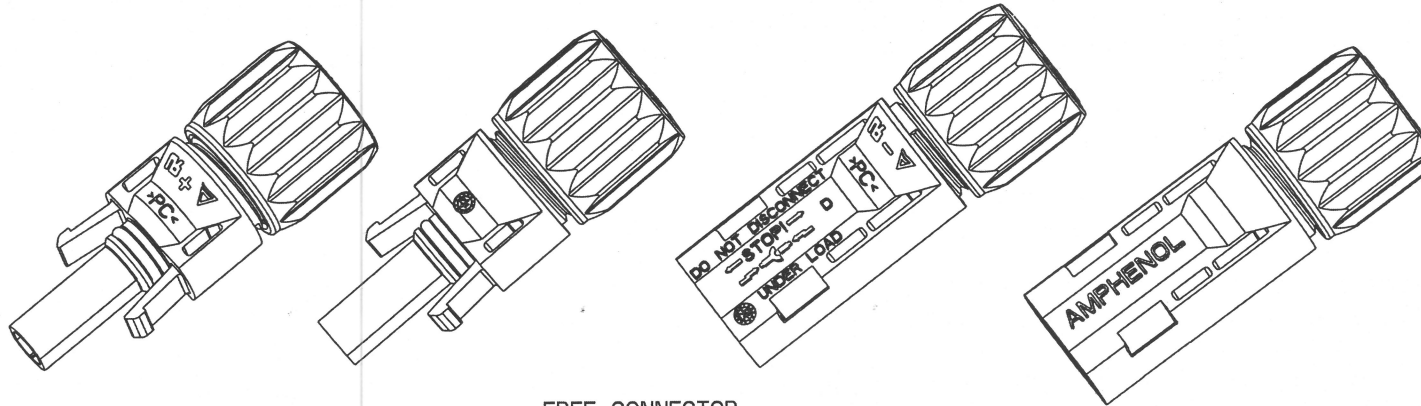


CUSTOMER DRAWING



FREE CONNECTOR
(HELIOS H4 CABLEGLAND)

3. SPECIFICATIONS:

DESCRIPTIONS	SPECIFICATIONS		
CONTACT SIZE	2.5mm ² /14AWG	4mm ² /12AWG	6mm ² /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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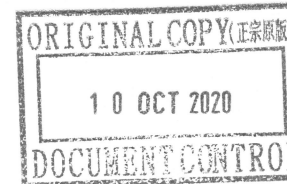
N/A

NEXT ASSEMBLY

PRO/ENGINEER INFORMATION

Pro/e Model Used:
H4_CB_CUSTOM.DWG PART
Drawing Name:
H4_CB_CUSTOM.DWG

METRIC DOCUMENT



H4C(IC)		
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: MILLIMETERS TOLERANCES: ANGLES: ±2° DEFAULT LINEAR TOLERANCES SEE TABLE DIM & TOL. PER ASME Y14.5M-1994; DRW PER MIL-DTL-31000; OTHER AMPHENOL STANDARDS: 9-9318 LEGENDS: △=FLAG NOTE CALL OUT REFERENCE ONLY		MATERIAL SPEC.	APPROVALS		DATE	Amphenol Technology (ShenZhen) Co.,Ltd Building C, 2nd Industrial Zone of Xia Shi Jia, Jiangshi Community, Gongming Sub-district, Guangming New District, Shenzhen, PRC			
		N/A	PREPARED BY: Jimly		2014-11-18				
		PROCESS SPEC.	DESIGN MANAGER: Allen		2014-11-18	Helios H4 Cableglnd connector customer drawing			
		N/A	DESIGN ACTIVITY GROUP: C&I						
			THIRD ANGLE PROJECTION						
			SIZE	CASE CODE	77820	DOCUMENT NO.	H4C(IC)	REV.	N
			SCALE: 1:0			REV.		SHEET 1 OF 4	

DOCUMENT NO.
H4C(IC)

SHEET 1 OF 4

REV.
N

3

2

1

DOCUMENT NO.
H4C(IC)

SHEET 1 OF 4

REV.
N

C

B

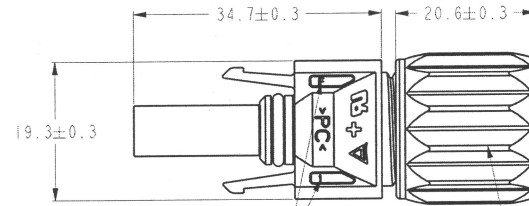
A

DOCUMENT NO.
H4C(IC)

SHEET 1 OF 4

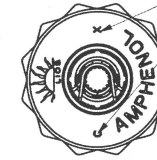
REV.
N

A

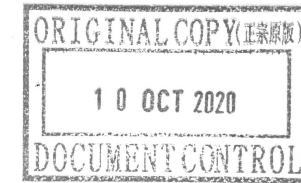
FREE CONNECTOR
(HELIOS H4 CABLEGLAND)

SEE NOTE 4

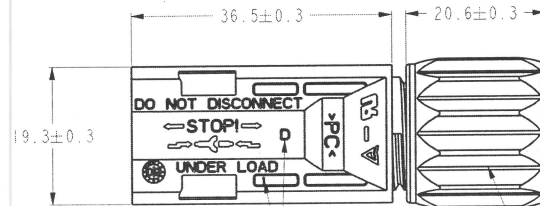
WRENCH TOOL: H4TW0001



SEE NOTE 4

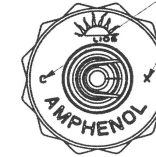


FEMALE



SEE NOTE 4

WRENCH TOOL: H4TW0001



SEE NOTE 4

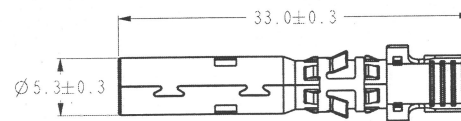
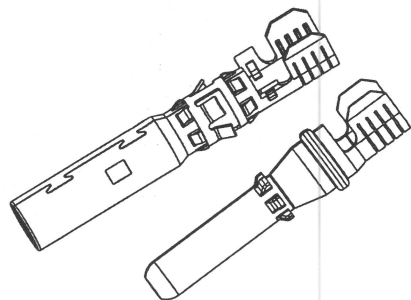
MALE

7. IT IS FORBIDDEN TO MATING WITH OTHER BRAND CONNECTOR.
6. SUGGEST CUSTOMER USING DOUBLE 1.25 SAFETY FACTOR FOR FIELD 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.

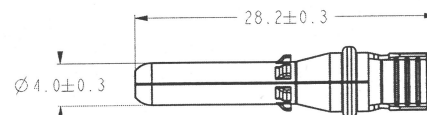
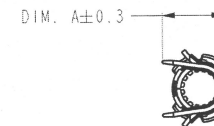
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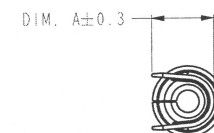
STAMPING & FORMING CONTACT



SOCKET (FEMALE)

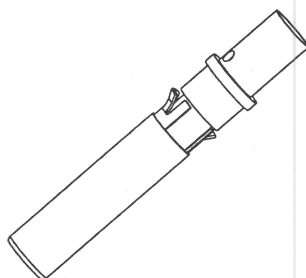


PIN (MALE)

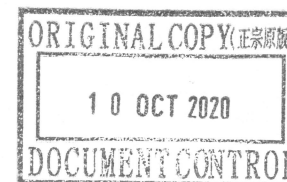
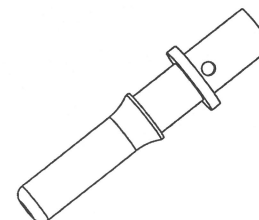


CABLE SIZE	A (mm)
1.5 & 2.5mm ²	4.8
4.0 & 6.0mm ²	5.8

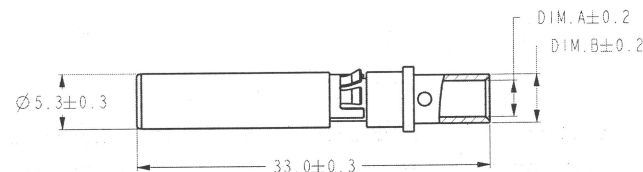
COLD FORGING CONTACT



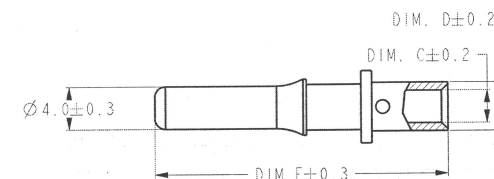
ACCEPT WIRE CONDUCTOR SIZE mm ² (AWG)	"A"	"B"
2.5 (14)	2.30	3.51
4.0 (12)	3.05	4.57
6.0 (10)	3.76	6.00



ACCEPT WIRE CONDUCTOR SIZE mm ² (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	CASE CODE	DOCUMENT NO.	REV.
C	77820	H4C(I)(C)	N
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

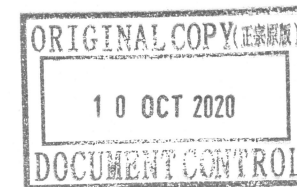
2: FOR 2.5mm²/14AWG CABLE (FOR CF,
ALSO FOR 15 & 2.5mm²/16 & 14AWG S&F)

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

6: FOR 6.0mm²/10AWG CABLE (FOR CF ONLY)

C: H4 CABLE GLAND

F: FEMALE
M: MALE



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