

TO: CNSBG

SPECIFICATION FOR APPROVAL

CUSTOMER DWG. No./PART No. : N/A REV.: N/A

DESCRIPTION : WIRE HARNESS CABLE

FOXCONN PART. No. : FW14S72-BD-EF REV.: AX1

ATTACHMENTS:

1. DRAWING	2
2.CABLE DRAWING	3
3.HOUSING DRAWING	4~5
4.CONTACT DRAWING	6~7
5.SPP DRAWING	8~11

N.W. / PC(g):14.7

PLEASE RETURN TO FOXCONN ONE COPY OF
COVER PAGE WITH YOUR APPROVED SIGNATURES.

APPROVED SIGNATURES



Hon Hai Precision Industry Co., Ltd.

2. TZU YU ST., TU-CHEN, TAIPEI HSIEN, 23606,
TAIWAN, R.O.C
TEL: (02) 22683466
TAIWAN, R.O.C
FAX: (02) 22686272 (02) 22686205
TLX: 32349 FOXCONNHH
UNIFORM INVOICE NUMBER: 04541302

Approved by : Jason Liu

Checked by: Yan zhen

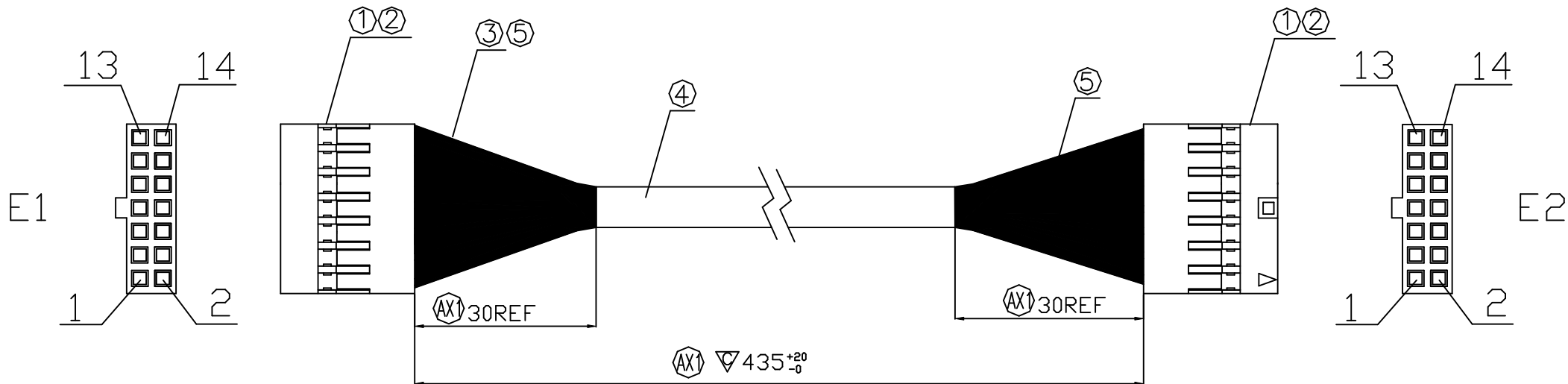
Prepared by: Fang Liu

File No.: FW14S72-BD-EF

Revision No.: A

Date: 2011/12/26

REV.	ECN.	NO.	APPD.
A	BC-11-0118595	HANK	
AX1	BS-11-116012	HANK	



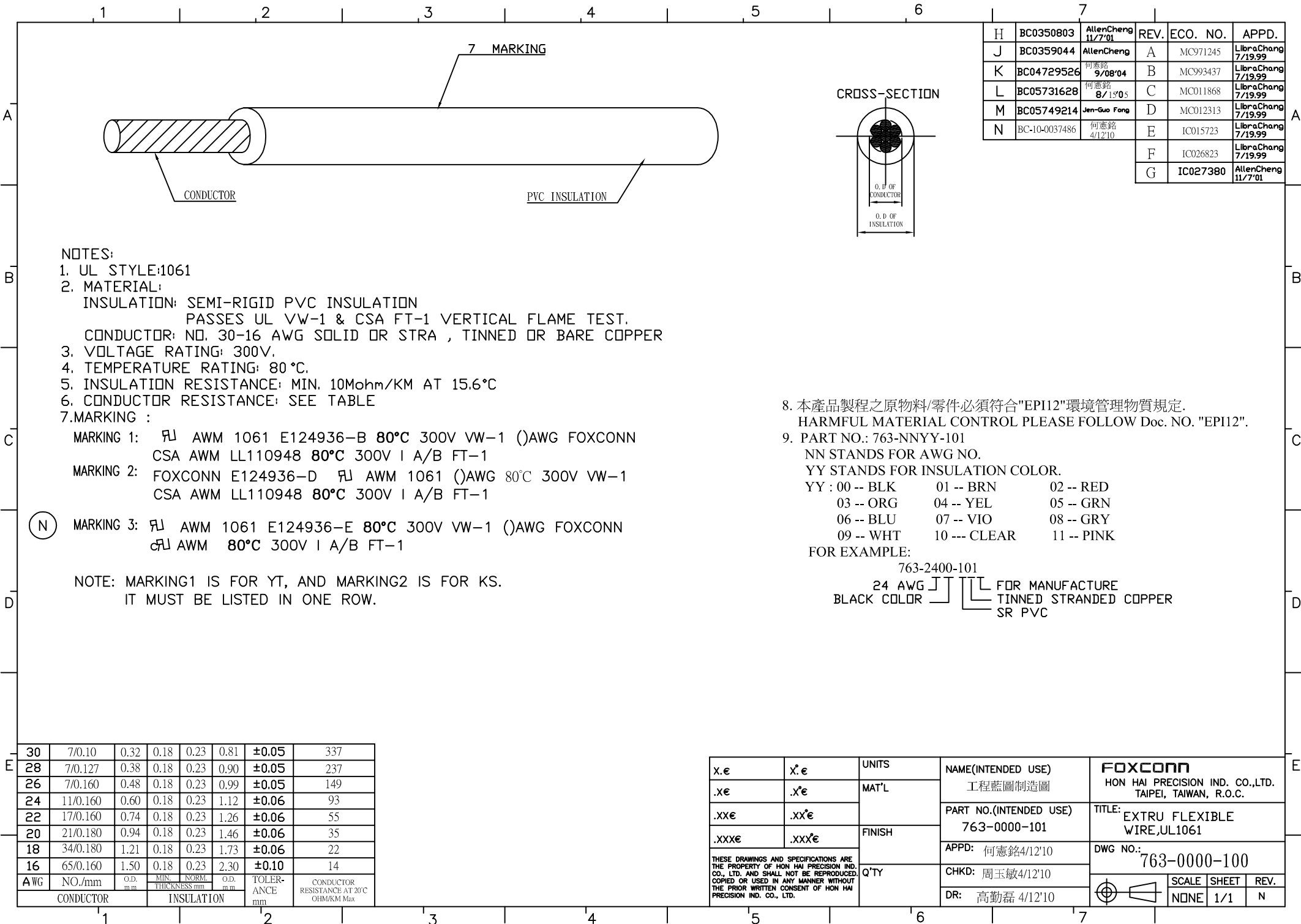
PIN ASSIGNMENT					
E1	E2	COLOR	E1	E2	COLOR
1	1	BLACK	8	8	BLUE
2	2	BLACK	9	9	BLUE
3	3	BLACK	10	10	WHITE
4	4	BLACK	11	11	WHITE
5	5	BLUE	12	12	WHITE
6	6	BLUE	13	13	WHITE
7	7	BLUE	14	14	WHITE

5	ACETATE TAPE	TBD	BLACK W=30mm	N/A
4	TUBE	080-2010-620	BLACK ø8mm	N/A
3	WIRE	763-2809-101	FOXCONN UL 1061 28AWG WHITE	N/A
		763-2806-101	FOXCONN UL 1061 28AWG BLUE	N/A
		763-2800-101	FOXCONN UL 1061 28AWG BLACK	N/A
2	HOUSING	002-0514-853	2.0 PITCH 2*7 PIN	2PCS
1	CONTACT	051-1011-004	MATE WITH HOUSING	28PCS
ITEM	PART NAME	FOXCONN P/N	DESCRIPTION	Q'TY

NOTES:

- 1.HARMFUL MATERIAL CONTROL PLEASE FOLLOW DOC.NO 'EPI12'
- 2.DIMENTION MARKED ∇ SHOULD BE CHECKED.
- 3.TEST SPEC: OPEN/SHORT: 100% TEST
INSULATION RESISTANCE: 5MOhm/300VDC.
TEST TIME: 10ms
CONTACT RESISTANCE: 5 Ohm Max.
- ④ 4.THE AVERAGE THICKNESS OF TUBE HEATED IS 0.4MM.

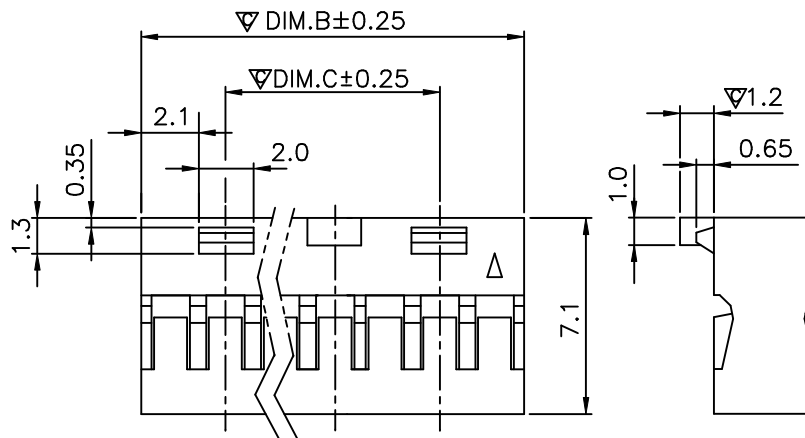
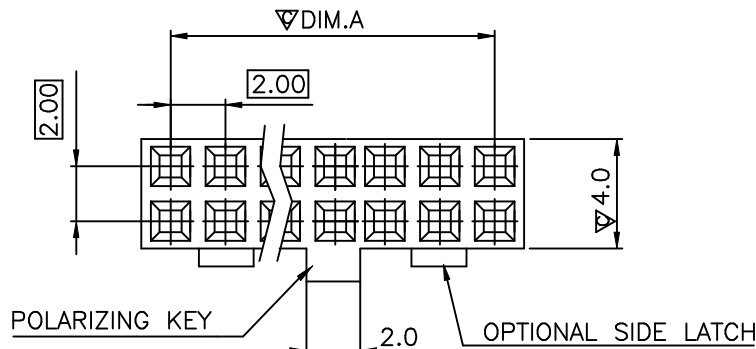
X.±	X°.±	UNITS mm	NAME<INTENDED USE>	FOXCONN	
.X±	.X°.±	MAT'L	CUSTOMER	HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.	
.XX±	.XX°.±		PART NO.<INTENDED USE>	TITLE:	
.XXX±	.XXX°.±	FINISH	FW14S72-BD-EF	WIRE HARNESS CABLE	
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			CHKD:	Jerry Zhu 11/29'11	355-0000-5280
			DR:	Eyki Liu 11/29'11	
					SCALE SHEET REV.
					2:1 1/1 AX1



NOTES :

1. DIMENSIONS SHALL BE INTERPRETED ANSI Y14.5M-1994.
2. MATERIAL: NYLON 66,BLACK COLOR,UL94V-0 RATED OR BETTER.
3. VOLTAGE RATING: 250V AC R.M.S.
4. CURRENT RATING: 1 AMPERE.
5. USED WITH 051-****-004 SERIES CONTACT.
6. INSULATION RESISTANCE : 1000 MEGAOHMS MINIMUM.
7. DIELECTRIC WITHSTANDING VOLTAGE : 500 VAC FOR 60 SECONDS.
8. DIMENSIONS MARKED ∇ SHALL BE CHECKED.
9. TEMPERATURE RANGE : -25°C TO +85°C.

TYPE: I



X.±	X°.±	UNITS	mm	NAME(INTENDED USE)	FOXCONN
.X± 0.2	.X°.±	MAT'L		HOUSING	HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.
.XX± 0.10	.XX°.±			PART NO.(INTENDED USE)	TITLE:
.XXX±	.XXX°.±	FINISH		002-****-853	HOUSING 2.0mm PITCH
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				CHKD: Xianbao Su 07/01'11	
				DR: Carl Wang 07/01'11	
					SCALE SHEET REV.
					N/A 1/11 A3

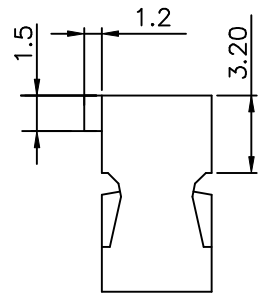
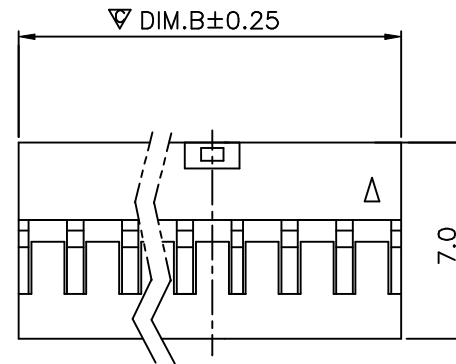
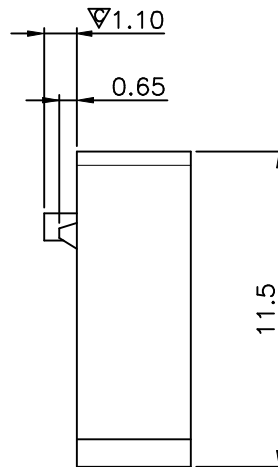
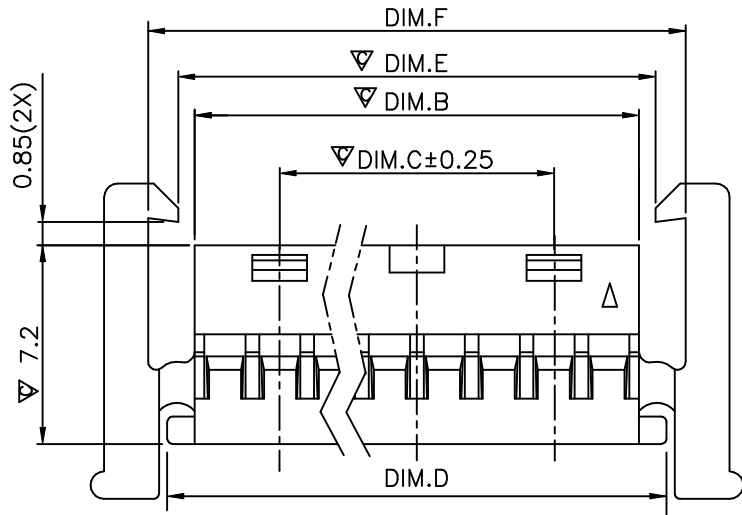
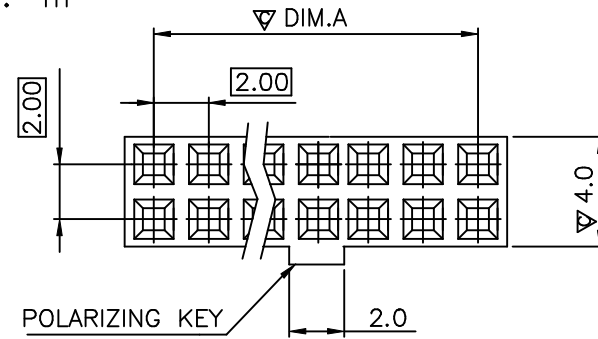
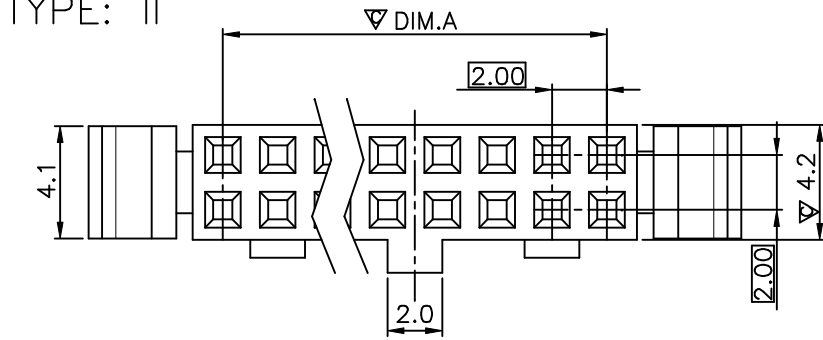
TYPE	FOXCONN P/N	CIRCUITS	DIM.A	DIM.B	DIM.C	DIM.D	DIM.E	DIM.F
	002-**60-853	60	58.0	60.2	54.0	62.2	61.2	63.4
	002-**50-853	50	48.0	50.2	44.0	52.2	51.2	53.4
	002-**44-853	44	42.0	44.2	38.0	46.2	45.2	47.4
	002-**40-853	40	38.0	40.2	34.0	42.2	41.2	43.4
	002-**36-853	36	34.0	36.2	30.0	38.2	37.2	39.4
	002-**34-853	34	32.0	34.2	28.0	36.2	35.2	37.4
	002-**32-853	32	30.0	32.2	26.0	34.2	33.2	35.4
	002-**30-853	30	28.0	30.2	24.0	32.2	31.2	33.4
	002-**28-853	28	26.0	28.2	22.0	30.2	29.2	31.4
	002-**26-853	26	24.0	26.2	20.0	28.2	27.2	29.4
	002-**24-853	24	22.0	24.2	18.0	26.2	25.2	27.4
	002-**22-853	22	20.0	22.2	16.0	24.2	23.2	25.4
	002-**20-853	20	18.0	20.2	14.0	22.2	21.2	23.4
	002-**18-853	18	16.0	18.2	12.0	20.2	19.2	21.4
	002-**16-853	16	14.0	16.2	10.0	18.2	17.2	19.4
	002-**14-853	14	12.0	14.2	8.0	16.2	15.2	17.4
	002-**12-853	12	10.0	12.2	--	14.2	13.2	15.4
	002-**10-853	10	8.0	10.2	--	12.2	11.2	13.4
	002-**08-853	8	6.0	8.2	--	10.2	9.2	11.4
	002-**06-853	6	4.0	6.2	--	8.2	7.2	9.4
	002-**04-853	4	2.0	4.2	--	6.2	5.2	7.4

REV.	ECN.	NO.	APPD.
A	MC981647	Lai	7/15'98
B	MC992364	Lai	1/29'99
C	MC994319	Lai	12/15'99
D	MC001164	Lai	4/17'00
E	MC002349	Lai	7/25'00
F	IC020412	Lai	1/20'02
G	IC0216045	Johnny	12/30'02
H	BC0355181	Simon	3/5'03
J	BC04707573	J.C YEN	3/24'04
K	BC05712598	KENNY	4/14'05
L	BC05715473	KENNY	5/9'05
M	BC05739101	KENNY	9/27'05
N	BC05747362	J.C Yen	11/22'05
P	BC06727444	Vincent Lai	05/17'06
Q	BC06748194	Kenny Chao	8/11'06
R	BC06772401	Kenny Chao	11/15'06
S	BC07783588	Kenny Chao	1/2'06
T	BC-07-7027069	J.C. Yen	6/01'07
U	BC-07-7062653	Kenny	9/24'07
V	BC-08-7037243	Johnny	5/15'08
W	BC-08-7147870	J.C.Yen	11/20'08
Y	BC-09-7141682	J.C.Yen	12/21'09
Z	BC-10-0020174	J.C.Yen	03/03'10
A1	BC-10-0040833	J.C.Yen	4/19'10
A2	BC-10-0069794	Simon Chen	6/29'10

REV.	ECN.	NO.	APPD.

TYPE: II

TYPE: III



X. ±	X°. ±	UNITS mm	NAME (INTENDED USE)	FOXCONN		
.X ± 0.2	.X° ±	MAT'L	HOUSING	HON HAI PRECISION IND. CO., LTD. TAIPEI, TAIWAN, R.O.C.		
.XX ± 0.10	.XX° ±		PART NO. (INTENDED USE)	TITLE:		
.XXX ±	.XXX° ±	FINISH	002-****-853	HOUSING 2.0mm PITCH		
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			Simon Chen 07/01'11	002-0000-853		
			CHKD:			
			Xianbao Su 07/01'11			
			DR:			
			Carl Wang 07/01'11			
					SCALE	SHEET
					N/A	2/11
						REV.
						A3

TYPE I :

REV.	ECN. NO.	APPD.
A	MC012354	LAI 8/12'01
B	IC020340	LAI 1/17'02
C	IC0214116	Johnny 12/11'02
D	BC0381106	Simon 10/13'03
E	BC05715996	J.C Yen 5/13'05
F	BC06772613	Kenny 11/16'06
G	BC-08-7147841	J.C Yen 11/20'05

NOTS: UNLESS OTHERWISE SPECIFIED.

1 MATERIAL THICKNESS: 0.20±0.02 mm.

2 VOLTAGE RATING: 250V AC R.M.S.

3 CURRENT RATING: 1 AMPERE.

4 CONTACT RESISTANCE: 20mΩ Max. INITIAL.

5 DIMENSIONS MARKED ∇ SHALL BE CHECKED.

6 ALONG ANY PORTION OF THE STRIP, Max. ALLOWABLE CAMBER IS 4 mm PER 1,000 mm LENGTH AND Max. ALLOWABLE TWIST IS 90° PER 2,000 mm LENGTH.

7 USED WITH 002-****-853 HOUSING.

002-00**-283

8 INSERTION FORCE: 300gf Max.

9 WITHDRAWAL FORCE: 56gf Min.

10 PART NO. MATRIX:

10.1: LEAD FREE CODING TYPE: 051 - A B C D - 004

PLATING CODE FOR MATING CODE

0: TIN-PLATED

1: GOLD FLASH

7: 15U" GOLD PLATING

9: NO PLATING

0: RAW MATERIAL

F: LEAD FREE

P: TIN/LEAD

C: TIN/COPPER

TO BE SEE THE TAB-1 IN SHEET 2/2

10.2: PREVIOUS CODING TYPE: 051 - A B C D - 004

MATERIAL

A=0: BRASS;

A=1: PHOSPHOR BRONZE.

PLATING TYPE.

A=0: NORMAL UNMATING FORCE

A=1: LOW UNMATING FORCE

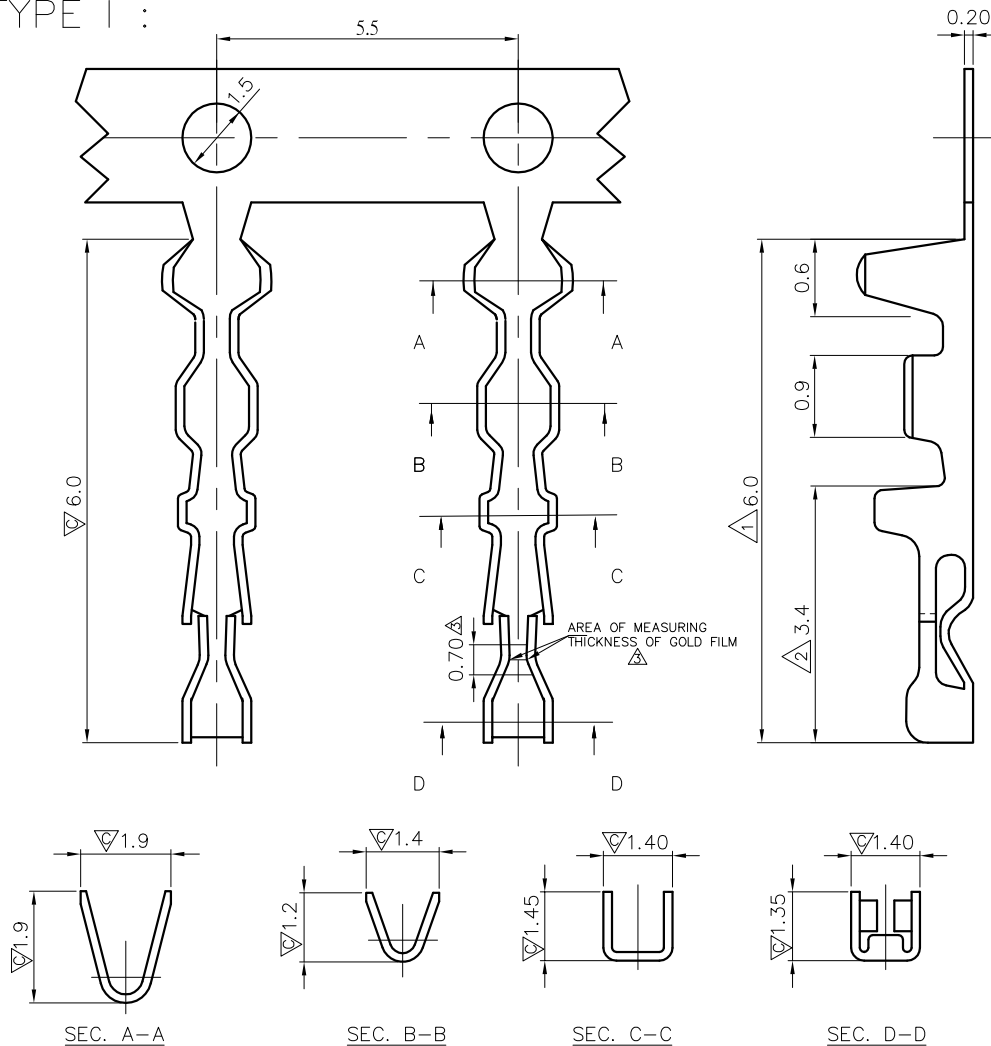
VENDER:

C=1: JWT

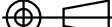
C=2: JCTC

11 HARMFUL MATERIAL CONTROL PLEASE FOLLOW DOC. No. "EPI 12".

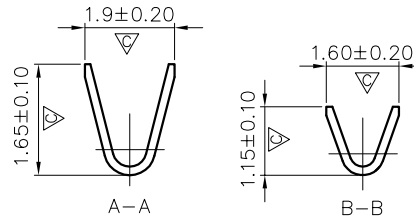
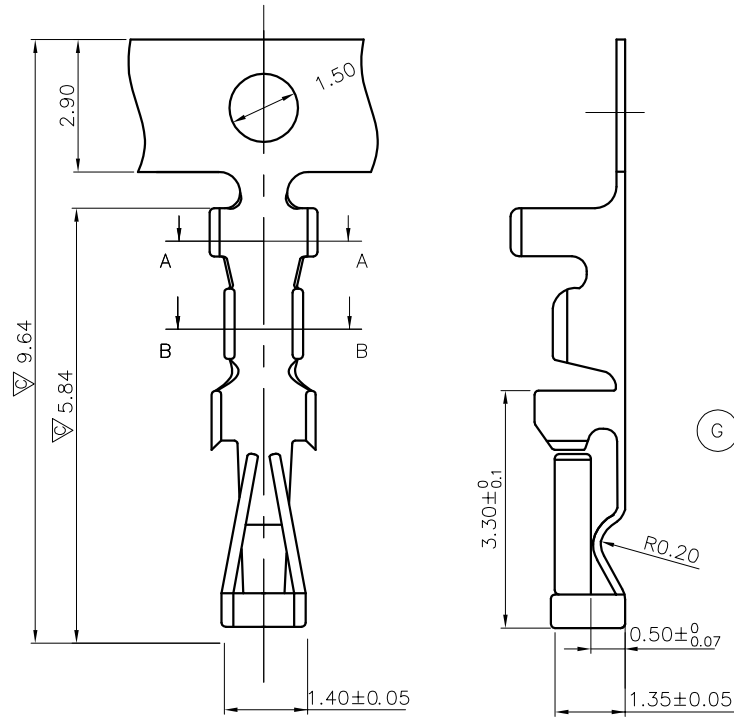
12 THE MANUFACTURE PROCESS MUST BE LEAD FREE.



PART NO.	AREA	PLATING REQUIREMENT
051-***9-004		NO PLATED.
051-***N-004	①	NICKEL PLATING OVER ALL PER QQ-N-290A THICKNESS AT Min. 50u".
	②	GOLD PLATING OVER NICKEL PER MIL-G-45204B THICKNESS AT *N" Min. (REFER REMARK).
	③	THE AREA OF MEASURING GOLD FILM INDICATES THE CONTACT POINT INSIDE
REMARK: N=1-GOLD FLASH; N=2-15u"; N=3-30u";		

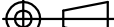
X.±	X°±	UNITS mm	NAME(INTENDED USE)	FOXCONN		
.X± 0.30	.X°±	MAT'L	CONTACT	HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.		
.XX± 0.20	.XX°±	FINISH	PART NO.(INTENDED USE)	TITLE:		
.XXX±	.XXX°±		051-****-004	CONTACT 2.00 mm CENTER (FOR A2005 SERIES)		
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			J.C.Yen 11/20'08	051-0000-004		
			CHKD:	Daisy Chen 11/20'08		
Q'TY			DR: John Guo 11/20'08			
				SCALE	SHEET	REV.
				8/1	1/3	G

TYPE II :



TAB-1

051-19F1-004	051-1021-004	JCTC	12003TOP-0A	---	PHOSPHOR BRONZE	NORMAL UNMATING FORCE	III
051-18F1-004	051-1014-004	CS	JS-1163-TG0	---	PHOSPHOR	NORMAL	I
051-P0F7-004	051-1010-004	Singatron	1000T-PSS15-3	---	PHOSPHOR BRONZE	NORMAL UNMATING FORCE	II
051-1709-004	051-1019-004	JWT	A2005TOP-4	---	PHOSPHOR BRONZE	NORMAL UNMATING FORCE	I
051-1609-004	051-1119-004	JWT	A2005TOP-4L	---	PHOSPHOR BRONZE	LOW UNMATING FORCE	
051-15F3-004	051-1113-004	JWT	A2005TOP-0EL	---	PHOSPHOR BRONZE	LOW UNMATING FORCE	
051-14F3-004	051-1013-004	JWT	A2005TOP-0E	---	PHOSPHOR BRONZE	NORMAL UNMATING FORCE	
051-13F7-004	051-1012-004	JWT	A2005TOP-0D	---	PHOSPHOR BRONZE	NORMAL UNMATING FORCE	
051-12F1-004	051-1011-004	JWT	A2005TOP-00	---	PHOSPHOR BRONZE	NORMAL UNMATING FORCE	
051-11F1-004	051-0011-004	JWT	A2005TOB-00	---	BRASS	NORMAL UNMATING FORCE	
051-10F1-004	051-1111-004	JWT	A2005TOP-00L	---	PHOSPHOR BRONZE	LOW UNMATING FORCE	TYPE
△ FOXCONN'S LEAD/FREE P/N	△ FOXCONN'S PREVIOUS P/N (REF. ONLY)	VENDOR	VENDOR'S PREVIOUS P/N (REF. ONLY)	VENDOR'S LEAD/FREE P/N	MATERIAL	UNMATING FORCE REQUIREMENT	

X.±	X.±	UNITS	mm	NAME(INTENDED USE)	FOXCONN			
.X± 0.30	.X±	MAT'L		CONTACT	HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.			
.XX± 0.20	.XX±			PART NO.(INTENDED USE)	TITLE:			
		FINISH		051-****-004	CONTACT 2.00 mm CENTER (FOR : A2005 SERIES)			
.XXX±	.XXX±			APPD:	DWG NO.:			
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			Q'TY	CHKD:				
				Daisy Chen 11/20'08				
			DR:	John Guo 11/20'08	SCALE	SHEET	REV.	
					8/1	2/3	G	

鴻海精密工業股份有限公司
HON HAI PRECISION INDUSTRY CO., LTD

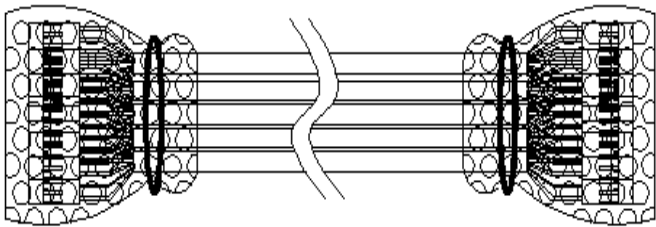
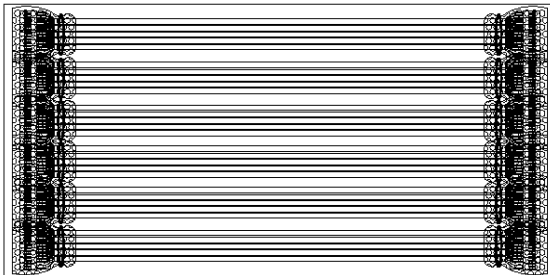
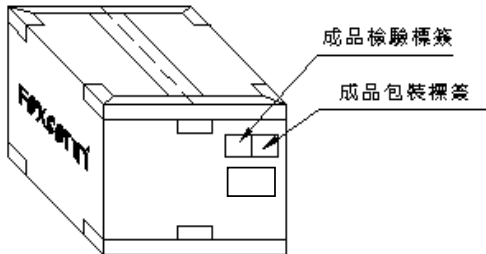
包裝作業規範
PACKING SPECIFICATION

規範編號 SPEC. NO.		EB6-APFW-1165				☐ CONFIDENTIAL ☐ TOP SECRET			
		PAGE		1/4		REV.		A	
適用客戶 APPLICABLE CUSTOMER	CNSBG-DCN FOR BROCADE			適用產品 APPLICABLE PRODUCT	FW14S72-BD-EF			包裝類別 PACKAGING CATEGORY	隔板
修訂履歷 REVISION HISTORY									
ECN NO REV.									
	1	2	3	4					
A	BC-11-0122640								
事業單位 DIVISION	NWInG			核定 APPROVED	Hank Chang 2011/11/3	審核 CHECKED	Jerry Zhu 2011/11/3	製表 PREPARED	Eyki Liu 2011/11/3

鴻海精密工業股份有限公司 HON HAI PRECISION INDUSTRY CO., LTD

包裝作業規範

PACKING SPECIFICATION

☐ CONFIDENTIAL ☐ TOP SECRET		PAGE	2/4	REV.	A
規範編號 SPEC. NO.	EB6-APFW-1165	備註 REMARK			
包裝作業圖示及說明 PACKING OPERATION DIAGRAM & INSTRUCTION					
一. 1.如圖將產品每30PCS用兩個氣泡袋(080-0003-926)及橡皮圈(大：085-1008-6909)套在housing上(圖示僅供參考) 		三： 1.如圖示將產品6紮一層擺放 2.共放5層，層與層之間用隔板(080-0004-878)隔開。 3.一箱共裝900PCS 			
二. 1.封好外箱(080-0222-320)底層，放入一PCS防水袋(080-0009-038)和1PCS隔板(080-0004-878)； 		四： 1.封箱. 2.在外箱左上角和右上角貼上所需標籤。(如圖示) 3.在成品檢驗標籤上蓋RoHS PASS章.  成品檢驗標籤 成品包裝標籤 FOXCONN® P/N: FOXCONN P/N C.P/N: CUSTOMER P/N # DATE: MM/DD/YYYY ☐ Q'TY: PCS W'T: 1.標籤中"#"表客戶版次, FOXCONN料號,客戶料號及版次依計劃表為準.;如CISCO無鉛料號, 版次後加*; 2.標籤中MM/DD/YYYY表示: 生產月份/日期/年份 (例如: 12/13/2009) 3.標籤中"□"表UL認可製造地代碼. 例如: B: 龍華; T:台灣; K:崑山 H:淮安 4.Q'TY:裝箱數量, 依包規; 零數箱依實際為準. 5.W'T:產品標重, 依系統為準. 備注: 如產品出國外, 標籤需帶 "MADE IN CHINA" *若出貨為成品時,每箱實重應以實測重量為準. ***本產品,制程之原物料/零件必須符合EPI12環境管理物質規定.			

鴻海精密工業股份有限公司

HON HAI PRECISION INDUSTRY CO., LTD

包裝作業規範

PACKING SPECIFICATION

☐ CONFIDENTIAL ☐ TOP SECRET

PAGE

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REV.

A

規範編號 SPEC. NO.

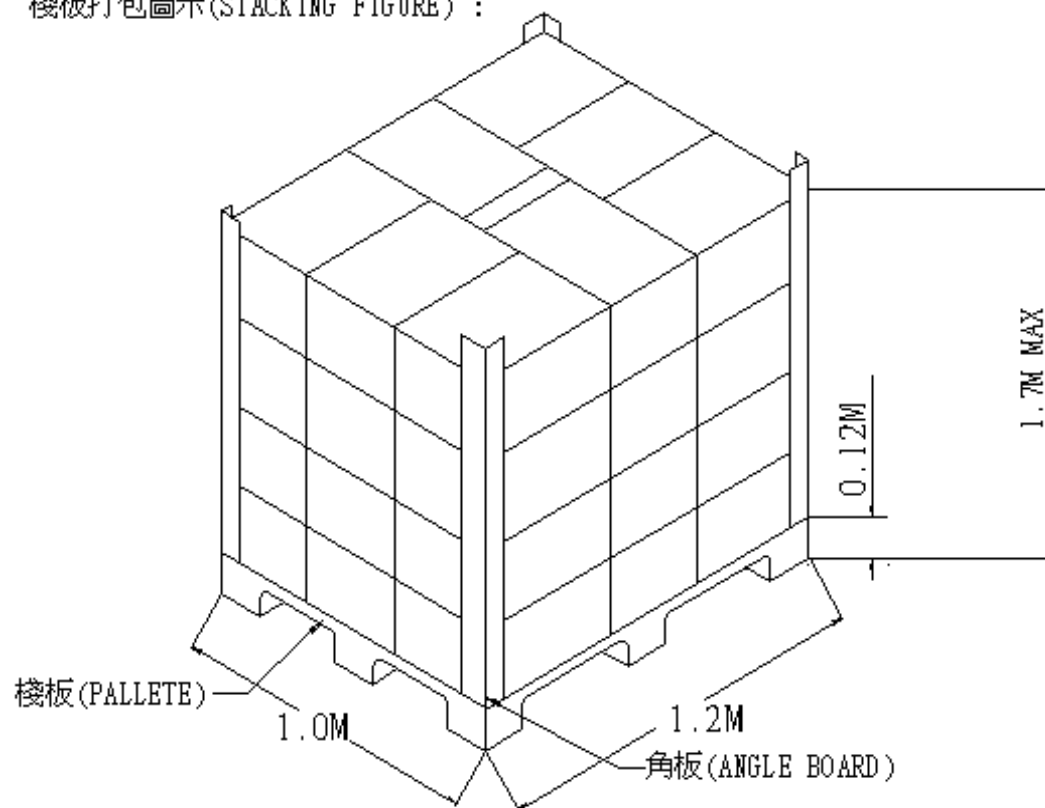
EB6-APFW-1165

包裝作業圖示及說明

PACKING OPERATION DIAGRAM & INSTRUCTION

備註 REMARK

棧板打包圖示(STACKING FIGURE) :



1. 木棧板上一層最多放8箱，最多5層，放滿後，在4個角各放1PC角板，之後於四周纏繞打包膜；打包膜至少纏繞3層。(打包膜一定要從棧板底部一直纏繞到貨物頂部)
2. 棧板尺寸為1.2M×1.0M×0.12M, 0.12M為支承木塊的高度。
3. 棧板必須為木質的，包括原木和膠合木。
4. 棧板連同貨物堆積高度不大於1.7M。

***本產品,制程之原物料/零件必須符合EPI12環境管理物質規定。

鴻海精密工業股份有限公司
HON HAI PRECISION INDUSTRY CO., LTD

包裝作業規範

PACKING SPECIFICATION

☐ CONFIDENTIAL ☐ TOP SECRET

規範編號 SPEC. NO.		EB6-APFW-1165				PAGE		4/4	REV.	A		
包 裝 材 料 PACKING MATERIAL					產 品 型 號		包 裝 容 量 PACKING CAPATITY		重 量 WEIGHT(KG)			
材 料 名 稱 NAME		料 號 PART NO.	N.W.(g)	數量		PRODUCT NO.	PCS/INNER PACKING	INNER PACKING/CTN	PCS/CTN	N.W./PC	N.W./BOX	G.W./BOX
外 箱		080-0222-320 (500*330*288)	862	1PC		FW14S72-BD-EF	900	1	900	0.0147	13.23	14.56
防 水 袋		080-0009-038	65	1PC								
隔 板		080-0004-878	346	6PCS								
氣 泡 袋		080-0003-926	51	60PCS								
封箱膠紙		090-0060-510	10	3M								
外箱標籤		080-1011-319	10	1PC								
橡皮圈（大）		085-1025-6909	13.3	60PCS								
		END										
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