

TO QUANTA COMPUTER CORPORATION
SPECIFICATION FOR APPROVAL

CUSTOMER DWG. NO./PART NO.: TBD REV.: N/A

DESCRIPTION: RF CABLE ASS'Y

FOXCONN PROD. NO: WDAN-Q1KT5001 REV.: AX1

ATTACHMENTS:

- | | |
|--------------------------------------|---------------------|
| 1. RF CABLE ASSEMBLY DRAWING | <u>315-0900-097</u> |
| 2. DESIGN REVIEW FOR MATERIAL LIST.. | <u>ML-097</u> |
| 3. PART DRAWING | <u>SGX0001-00</u> |
| | <u>703-3000-290</u> |
| | <u>014-0000-153</u> |
| | <u>040-0000-389</u> |

PLEASE RETURN TO US ONE COPY OF COVER PAGE OF THE
"SPECIFICATION FOR APPROVAL " WITH YOUR APPROVED SIGNATURES

APPROVED SIGNATURES		



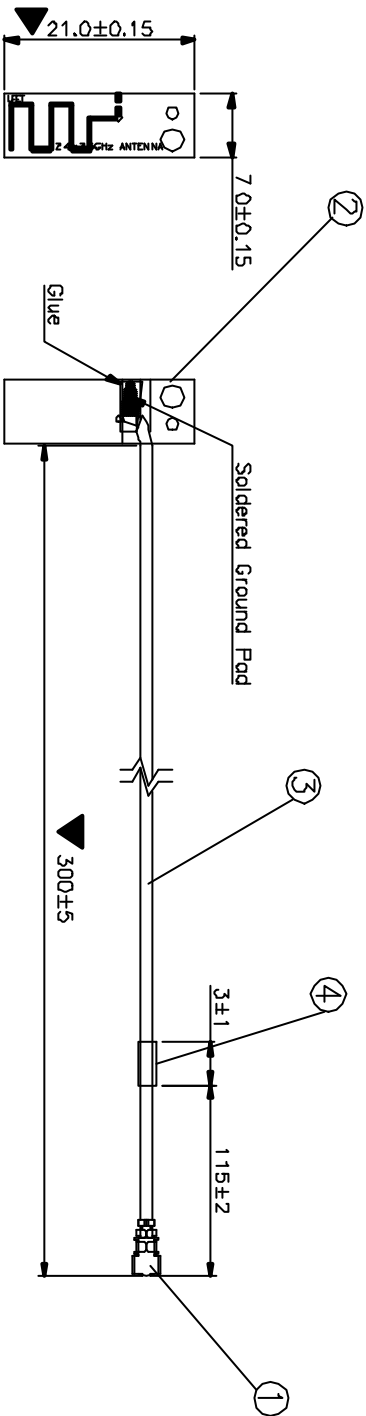
Hon Hai Precision Industry Co., Ltd.

2. TZU YU ST., TU-CHEN, TAIPEI HSIEN, 23606,
TAIWAN, R.O.C
TEL: (02) 2683466 (02) 2681477
TAIWAN, R.O.C
FAX: (02) 2687795 (02) 2683225
TLX. 32349 FOXCONNHH
UNIFORM INVOICE NUMBER: 04541302

Approved by: Sheng Checked by: _____ Prepared by: Paul Zhou

FILE NO.: SFA-097 REVISION NO.: AX1 DATE: Mar 5, 2002

REV.	ECN	NO	APPD.
AX1			



NOTES:

1. ALL DIMENSIONS SHALL BE INTERPRETED PER ANSI Y14.5M-1982.
2. DIMENSIONS MARKED ▼ SHALL BE CHECKED.

④	H/S TUBE (WHITE)	080-2101-620	FOXCONN: 080-2101-620	1 PCS
③	30AWG SOLID COAXIAL CABLE	D14-3031-153 703-3000-280	FOXCONN: 014-3031-153 FOXCONN: 703-30NN-290	A/R
②	ANTENNA PCB	040-0001-883	FOXCONN: 040-0001-883	1 PCS
①	RF CONNECTOR	SGX0001-00	FOXCONN: SGX0001-00	1 PCS
ITEM	DESCRIPTION	FOXCONN P/N	VENDOR P/N	QTY
X±	X±	UNITS	NAME(INTENDED USE) QUANTA KT1 Left Antenna	FOXCONN HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.
X±	X±	MATL	PART NO.(INTENDED USE) WDAN-Q1KT5001	ANTENNA CABLE
XXXX	XXXX	FINISH	APPD:	DWG NO.: 315-0900-097
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF HON HAI PRECISION IND. CO.,LTD. AND ARE NOT TO BE REPRODUCED OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF HON HAI PRECISION IND. CO., LTD.		CHKD:	DR: Paul Zhou	03.05 '02
		SCALE		SHEET
		N/A		1/1
		REV.		AX1

DESIGN REVIEW FOR MATERIAL LIST

QUANTA P/N . TBD

DESCRIPTION . RF CABLE ASS'Y

NO : ML-097

PAGE . 1/1

ITEM	DESCRIPTION	SUPPLIER/AGENCY						QUANTA PART NUMBER	QUANTITY	REMARK
		SUPPLIER	SUPPLIER PART NO.	FOXCONN PART NO.	AVL	UL SUBMIT	CSA SUBMIT			
1	COAXIAL CABLE	HITACHI	OR HCM-40309/1	014-3031-153		N/A	N/A		A/R	
		ACTUONE	703-3000-290	703-3000-290		N/A	N/A		A/R	
2	RF CONN.	FOXCONN	SGX0001-00	SGX0001-00		N/A	N/A		1 PC	
3	PCB (LEFT)	FOXCONN	040-0001-893	040-0001-893		N/A	N/A		1 PC	

APPROVED BY: Sheng Tai 3/6/2002

CHECKED BY: _____

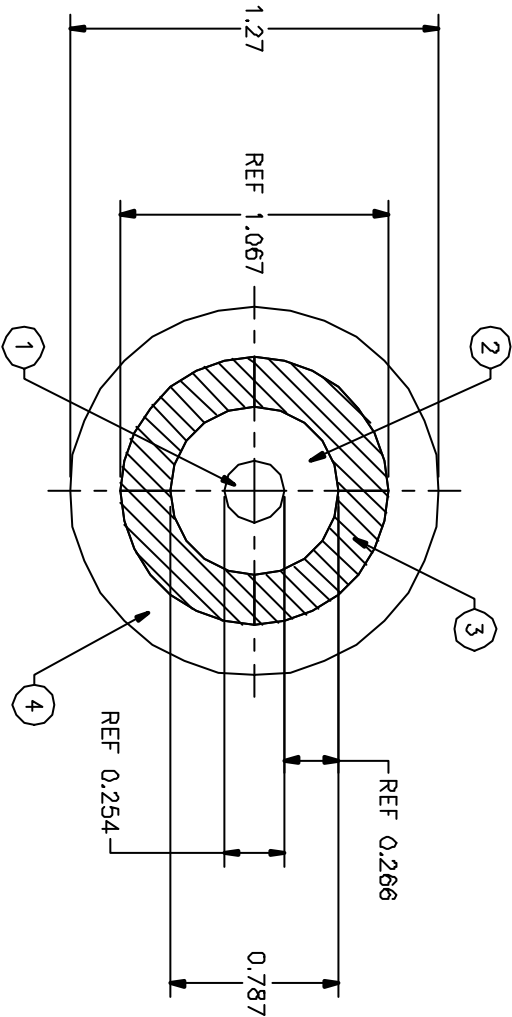
PREPARED BY: Paul Zhou 3/5/2002

REV	ECN No.	APPL.	DATE
A	MC-01-0847	VINCENT	3/28/01
B	MC-01-0847	ALLEN	4/13/01
C	MC-01-1942		

ELECTRICAL		
IMPEDANCE	50	ohms
CAPACITANCE	30.5	pf/ft
CONDUCTOR	RESISTANCE	860 ohms/KM

FREQUENCY (MHz)	ATTENUATION (dB/10ft)
500	3
1000	5
2000	8
3000	10

RATINGS	
TEMPERATURE:	200°C/105°C
VOLTAGE:	30V
UL STYLE:	1894/1943



NOTES

- 1.PRIMARY INSULATION CONCENTRICITY = 85% MIN
2. NN : JACKET COLOR CODE
00--BLACK 01-BROWN 02-RED 03-ORANGE
04-YELLOW 05-GREEN 06-BLUE 07-PURPLE
08-GRAY 09-WHITE 10-CLEAR 99-NATURAL
- 3 BRAIDING COVERAGE TO BE 95 % MIN.
- 4.DIELECTRIC STRENGTH:1.25KVAC/min
- 5 JACKET CONCENTRICITY = 80% MIN

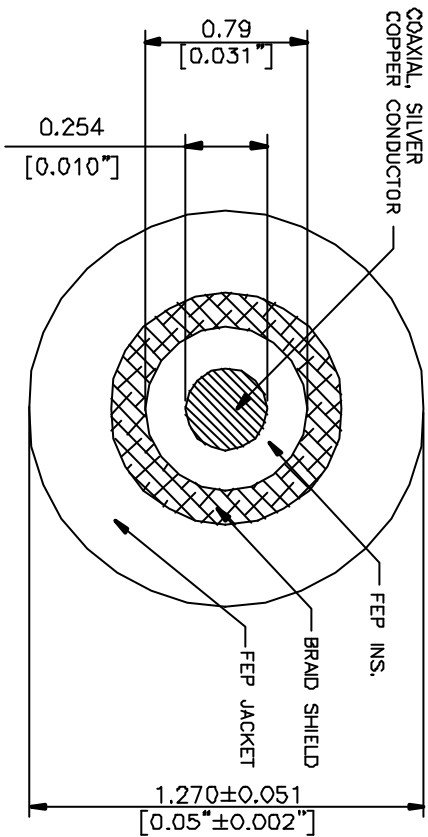
ITEM	QTY	PART No	DESCRIPTION
4	A/R	902-***1-*24	JACKET INSULATION, FEP #
3	A/R	904-44**--616	BENDS/ 44 AWG TINNED PLATED BRAIDING
2	A/R	902-***1-*24	PRIMARY INSULATION, FEP #
1	A/R	904-30**--851	30 AWG, SOLID SILVER PLATED COPPER CLAD STEEL

BILL OF MATERIALS			
UNITS	mm	FOXCCONN	HON HAI PRESSION IND CO.,LTD
MATERIAL		COAXIAL CABLE	PART No (ENTERED USE)
SEE BOM		703-30NN-290	TITLE: RF CABLE
FINISH			30 AWG, CONSTRUCTION
SEE NOTES		DESIGN .	DWG No. 703-3000-290
CHECKED		DRAWER	SCALE SHEET REV.
			NONE 1/1 C

THESE DRAWINGS AND SPECS. ARE THE PROPERTY OF HON HAI PRESSION IND CO.,LTD. AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF HON HAI PRESSION IND. CO., LTD.

REV.	ECN. NO	APPD
D	MC00176B	Lot 5/12/05

- NOTES:
1. CAPACTANCE: 30.5 pF/FT.
 2. CONDUCTOR RESISTANCE: 264 OHMS/M' AT 20°C.
 3. CONDUCTOR: 30 AWG,SOLID SP COPPERWELD 0.010" NOM. OD.
 4. INSULATION: 30AWG, FEP, 0.031" OD., 0.0107" AVG WALL
 5. BRAID SHIELD: 30AWG, 6 ENDS 44 AWG TINNED COPPER,95% MIN. COVERAGE.
 6. JACKET: 30AWG, FEP,0.050"±0.002" OD., 0.004" AVG WALL.
 7. TEMPERATURE RATING: -70°C~+200°C.
 8. NO MARKING.



014-3031-153		HITACHI HCM-40309/1		30AWG		BLACK	
FOXCONN P/N		VENDOR & P/N		AWG		JACKET COLOR	
X±	X ⁺ ±	UNITS [INCH] ^{MIN}		NAME(INTENDED USE) FOXCONN HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.			
.X±	.X ⁺ ±	MAT'L					
.XX± 0.05	.XX ⁺ ±	FINISH					
.XXX±	.XXX ⁺ ±						
THESE DIMENSIONS AND SPECIFICATIONS ARE THE PROPERTY OF NON HAI PRECISION IND CO., LTD AND SHALL NOT BE REPRODUCED COPIED OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN PERMISSION OF NON HAI PRECISION IND CO., LTD				QTY		DR:Duke Du 1/17/2001	
				APPD: Sheng Tai		DWG NO: 014-0000-153	
				CHKD:			
				PART NO.(INTENDED USE)		TITLE COAXIAL CABLE	
				SCALE		SHEET	
						N/A	
						1/1	
				REV.		D	

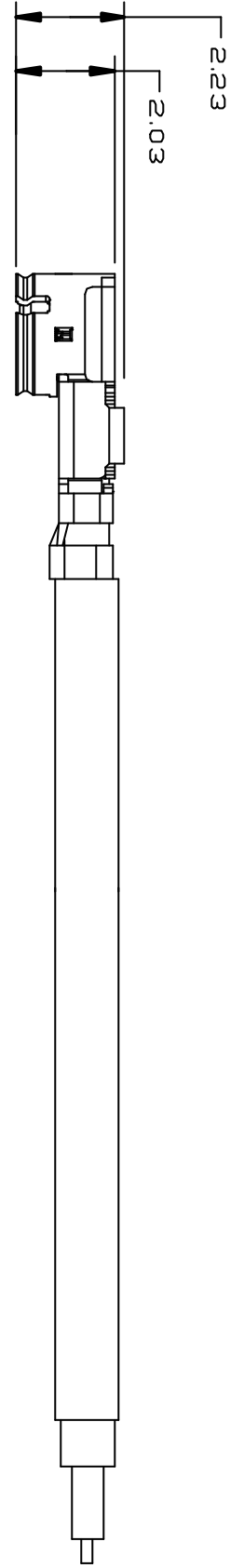
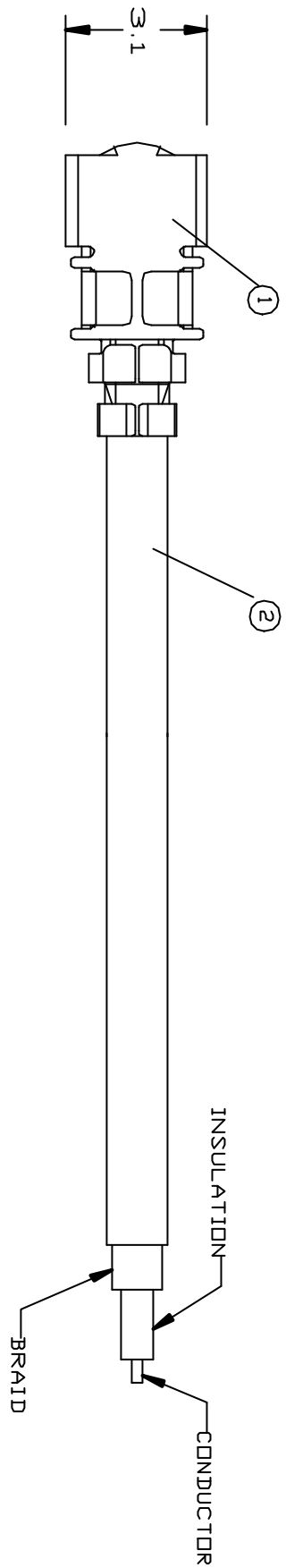
SCALE 10.000

GENERAL SPECIFICATION:

- 1. CONTACT RESISTANCE: 20 MILIOHMS MAX.
- 2. INSULATION RESISTANCE: 500 MEGOHMS MIN.
- 3. WITHSTAND VOLTAGE 200 V_{AC}
- 4. CONNECTOR V.S.W.R.: 1.3 OR LESS AT DC TO 3 GHz
- 5. OPERATION TEMPERATURE: -40°C TO 90°C

RF CABLE ASSEMBLY MATERIAL:

- 1. CONTACT: COPPER ALLOY, GOLD PLATING
- 2. HOUSING: THERMOPLASTIC, UL 94V-0 RATED
- 3. METAL SHELL: COPPER ALLOY, SILVER PLATING
- 4. CABLE: 30AWG&32AWG SOLID COAXIAL CABLE.
- 5. PART NO. MATRIX: SGX0001-00

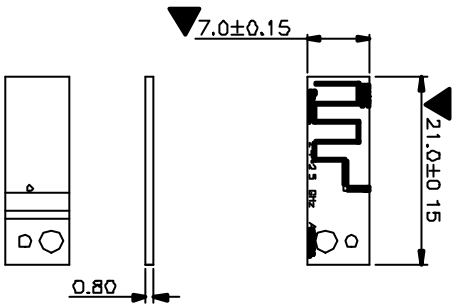
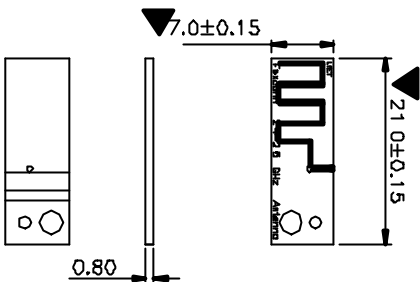


2	WIRE	703-3000-291	30AWG SLD COAXIAL CABLE	A/R
1	RF CONN.	SGX0001-00	FOXCONN: EP01-025-001	1 PCS
ITEM	PART NAME	PART NO.	EQUIVALENT VENDOR & PART NO.	Q'TY

X.±	X.±	UNITS	NAME/INTENDED USE	FOXCONN
X ± 0.1	X ±	MAT'L	SGX0001-00	HON HAI PRECISION IND. CO., LTD.
X ± 0.1	X ±	SEE NOTES	PART NO./INTENDED USE	TAIPEI, TAIWAN, R.O.C.
XXX ±	XXX ±	FINISH	SGX0001-00	
THESE DIMENSIONS AND SPECIFICATIONS ARE FOR INFORMATION ONLY. THE ACTUAL PARTS SHALL BE SUPPLIED BY THE MANUFACTURER. THE PARTS SHALL BE USED IN ACCORDANCE WITH THE SPECIFICATIONS AND DRAWINGS OF THE MANUFACTURER.		Q'TY	APPD: D. KD	DWG NO: EP01-025-001
		CHKD:	DR: D. KD	12/2/00
		SCALE	SHEET	REV.
		10:1	1/1	X2

NOTES:

1. ALL DIMENSIONS SHALL BE INTERPRETED PER ANSI Y14.5M-1982.
2. DIMENSIONS MARKED ▼ SHALL BE CHECKED.
3. PCB'S MATERIAL : FR-4, THICKNESS 0.8MM.



REV.	EDN. NO.	APPD.
X1		

2	040-0002-893	II
1	040-0001-893	I
ITEM	P/N	TYPE
TITLE: PCB ANTENNA		
HON HAI PRECISION IND. CO.,LTD TAIPEI, TAIWAN, R.O.C.		
NAME(INTENDED USE) FOR QUANTA KTS		
PART NO.(INTENDED USE)		
APPD: Sheng Tai 3/5/06		
CHKD: DR/Paul Zhou 3/5/02		
DWG NO.: 040-0000-893		
SCALE SHEET REV.		
N/A 1/1 X1		
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF HON HAI PRECISION IND. CO., LTD. AND SHALL NOT BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN CONSENT OF HON HAI PRECISION IND. CO., LTD.		
UNITS mm		
MATERIAL		
FINISH		
X± X±		
X± ±0.2 X±		
X± ±0.1 X±		
XXX± XXX±		

NOTES:

▲ UL MARKING.

2. RATING : UL 224, 125°C, 600V, VW-1
CSA, 125°C, 600V, OFT

3. DIELECTRIC STRENGTH : 500 V/MIL

4. VOLUME RESISTIVITY : 10^{14} OHM-CM.

5. TENSILE STRENGTH : 10.3 MPa (1500 psi) MIN..

6. PART NO. MATRIX: 080- A B CC - 620

A: EQUIVALENT VENDER
& PRODUCT

A=0: SUMITUBE F2-*

A=1: FAVORTRON FVC-2-*

A=2: SUMITUBE F32-*

A=3: CHANGBAO 102-*

A=4: SUMITUBE F4-*

A=5: HB T*ø

CC: INSIDE DIMENSION ID.

B: COLOR

B=0: BLACK.

B=1: WHITE.

B=2: RED.

B=3: BLUE.

B=4: GREEN.

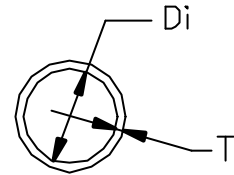
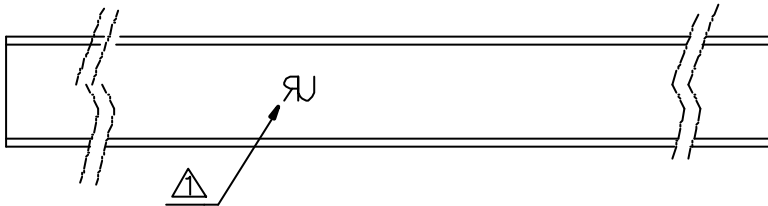
B=5: YELLOW.

B=6: ORANGE.

B=7: PURPLE.

B=8: GRAY

REV.	ECN.	NO.	APPD.
A	HC95121	JEFF C.	1/20/95
B	HC96190	C. CHEN	2/7/96
C	HC96670	C. CHEN	5/7/96
D	HC961695	CHARLES	
E	HC971231	C. CHEN	6/18/97
F	MC991918	LAI	5/31/99
G	MC993360	LAI	10/16/99
H	MCD01163	LAI	4/11/2000
K			



X.±	X°.±	UNITS mm	NAME(INTENDED USE)	FOXCONN HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.			
.X± 0.2	.X°±	MAT'L	PART NO.(INTENDED USE)	TITLE: HEAT SHRINKABLE TUBE			
.XX± 0.15	.XX°±						
.XXX±	.XXX°±	FINISH	APPD: H.C.ZHENG 6/15'2001	DWG NO.: 080-0000-620			
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF HON HAI PRECISION IND CO., LTD. AND SHALL NOT BE REPRODUCED COPIED OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF HON HAI PRECISION IND CO., LTD.		Q'TY	CHKD:		SCALE	SHEET	REV.
			DR: H.C.ZHENG 6/15'2001		N/A	1/2	K

		1		2		3		4	
								REV.	ECN. NO. APPD
A									A
B									B
C									C
D									D
E									E

080-**-25-620	0.8	0.13	0.4	0.20
080-**-24-620	14.0	0.30	7.0	0.64
080-**-23-620	1.0	0.20	0.5	0.33
080-**-22-620	50.0	0.40	25.0	0.87
080-**-21-620	38.0	0.40	19.0	0.87
080-**-20-620	30.0	0.40	15.0	0.87
080-**-19-620	25.0	0.40	12.5	0.87
080-**-18-620	22.0	0.40	11.0	0.77
080-**-17-620	20.0	0.35	10.0	0.77
080-**-16-620	18.0	0.35	9.0	0.77
080-**-15-620	16.0	0.30	8.0	0.69
080-**-14-620	12.0	0.25	6.0	0.56
080-**-13-620	11.0	0.25	5.5	0.56
080-**-12-620	10.0	0.25	5.0	0.56
080-**-11-620	9.0	0.25	4.5	0.56
080-**-10-620	8.0	0.25	4.0	0.56
080-**-09-620	7.0	0.25	3.5	0.56
080-**-08-620	6.0	0.25	3.0	0.56
080-**-07-620	5.0	0.25	2.5	0.56
080-**-06-620	4.0	0.25	2.0	0.44
080-**-05-620	3.5	0.25	1.75	0.44
080-**-04-620	3.0	0.25	1.50	0.44
080-**-03-620	2.5	0.25	1.25	0.44
080-**-02-620	2.0	0.25	1.00	0.44
080-**-01-620	1.5	0.20	0.75	0.36
Part Number 	Inside Diameter, Di (min.)	Wall Thickness, T (nomi.)	Inside Diameter, Di (max.)	Wall Thickness, T (min.)
	As Supplied		After Shrinkage	

X.±	X°.±	UNITS mm	NAME(INTENDED USE)	FOXCONN HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.						
.X± 0.2	.X°.±	MAT'L	PART NO.(INTENDED USE)							
.XX± 0.15	.XX°.±	FINISH	APPD: H.C.ZHENG 6/15'2001	TITLE: HEAT SHRINKABLE TUBE						
.XXX±	.XXX°.±		CHKD:	DWG NO.: 080-0000-620						
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF HON HAI PRECISION IND. CO., LTD. AND SHALL NOT BE REPRDDUCED, COPIED OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF HON HAI PRECISION IND CO., LTD.		Q'TY	DR: H.C.ZHENG 6/15'2001	  <table border="1"> <tr> <td>SCALE</td> <td>SHEET</td> <td>REV.</td> </tr> <tr> <td>N/A</td> <td>2/2</td> <td>K</td> </tr> </table>	SCALE	SHEET	REV.	N/A	2/2	K
		SCALE	SHEET		REV.					
N/A	2/2	K								