

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-Q1KT5002 REV.: A

ATTACHMENTS:

- | | |
|---------------------------------------|---------------------|
| 1. RF CABLE ASSEMBLY DRAWING | <u>315-0900-098</u> |
| 2. DESIGN REVIEW FOR MATERIAL LIST .. | <u>ML-098</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		

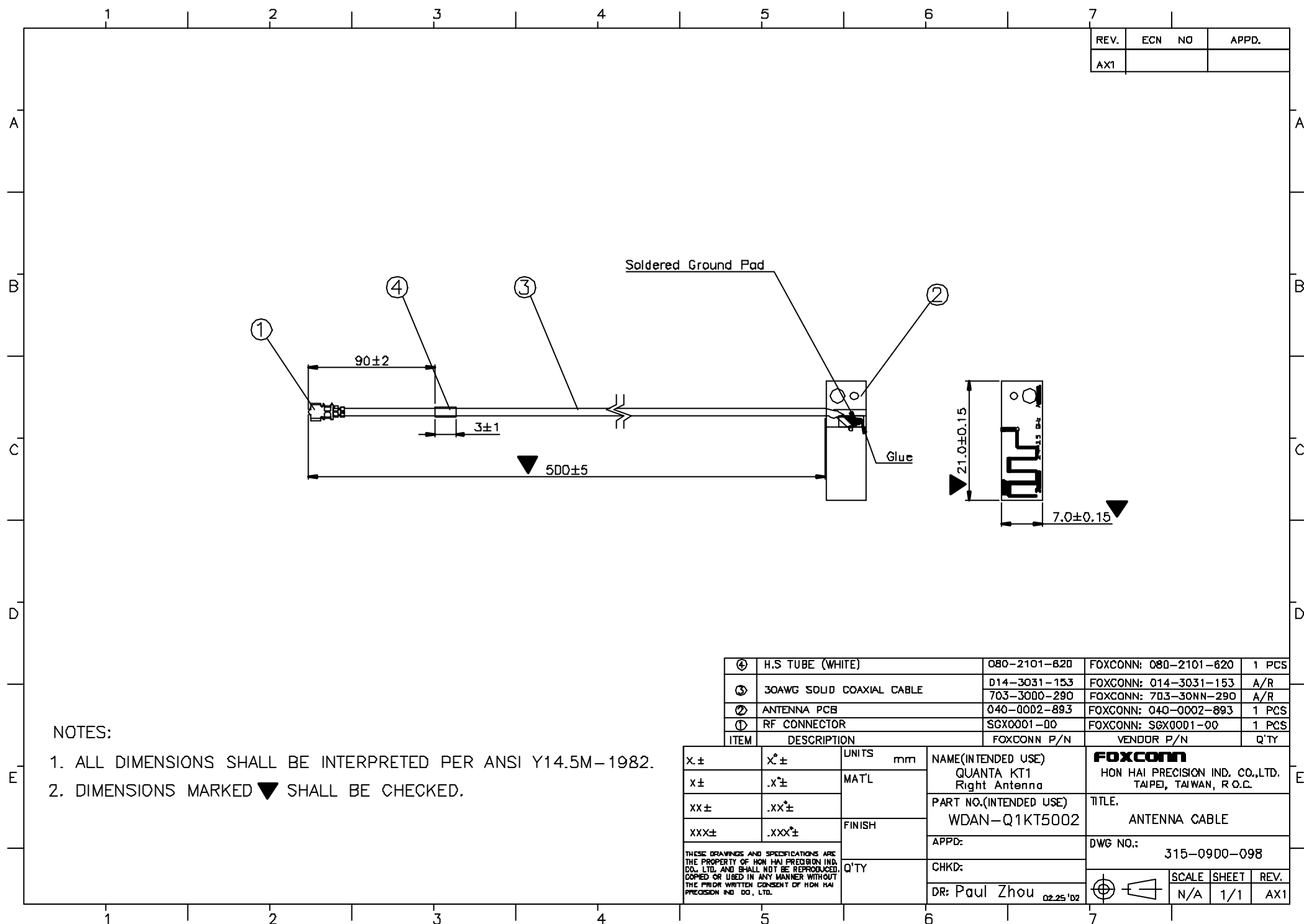


Hon Hai Precision Industry Co., Ltd.

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-098 REVISION NO.: A DATE: Mac 5, 2002



DESIGN REVIEW FOR MATERIAL LIST

QUANTA P/N . TBD

NO : ML-098

DESCRIPTION . RF CABLE ASS'Y

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 (RIGHT)	FOXCONN	040-0002-893	040-0002-893		N/A	N/A		1 PC	

APPROVED BY: Sheng Tai 3/6/2002

CHECKED BY: _____

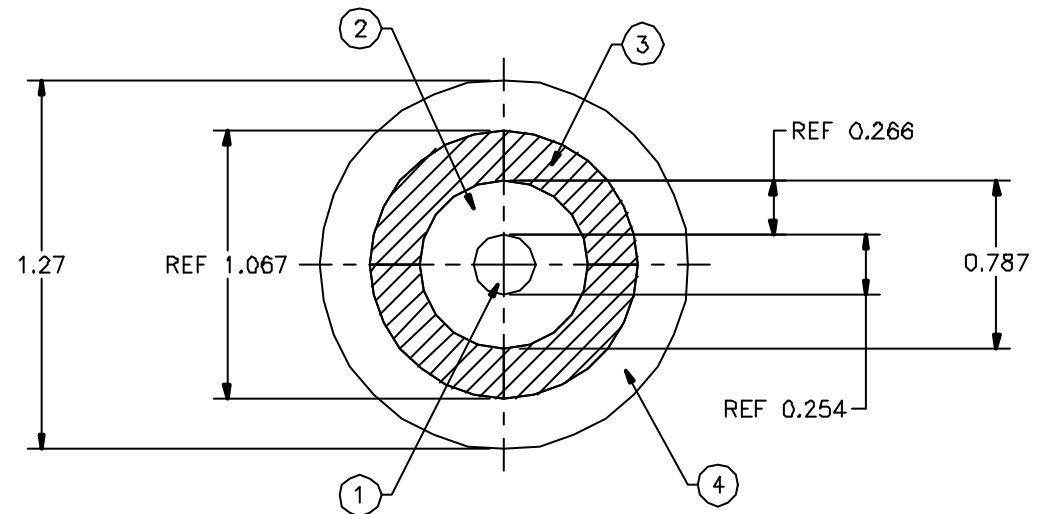
PREPARED BY: Paul Zhou 3/5/2002

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

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



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

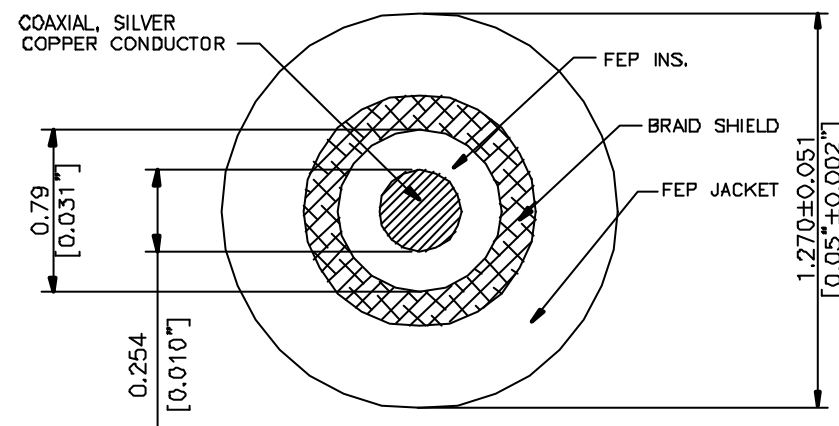
4	A/R	902-***1-*24	JACKET INSULATION, FEP #
3	A/R	904-44**--616	6ENDS/ 44 AWG TINNED PLATED BRAIDING
2	A/R	902-***1-*24	PRIMARY INSULATION, FEP #
1	A/R	904-30**--851	30 AWG, SOLID SILVER PLATED COPPER CLAD STEEL
ITEM	QTY	PART No	DESCRIPTION

BILL OF MATERIALS			
	UNITS	NAME(INTENDED USE)	FOXCONN
	mm	COAXIAL CABLE	HON HAI PRECISION IND CO.,LTD
	MATERIAL	PART No (INTENDED USE)	TITLE
	SEE BOM	703-30NN-290	RF CABLE
	FINISH	DESIGN .	30 AWG, CONSTRUCTION
	SEE NOTES	DWG No.	703-3000-290
	QTY	CHECKED	SCALE
		DRAFTER	SHEET
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			NONE 1/1 C

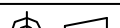
REV.	ECN.	NO	APPD
D	MC001768	Loi	5/12/00

NOTES:

1. CAPACITANCE: 30.5 pF/FT.
2. CONDUCTOR RESISTANCE: 264 OHMS/M' AT 20°C.
3. CONDUCTOR: 30 AWG, SOLID SP COPPER WELD 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]	NAME(INTENDED USE)	FOXCONN HON HAI PRECISION IND. CO.,LTD TAIPEI, TAIWAN, R.O.C.		
.X±	.X±	MAT'L	PART NO.(INTENDED USE)	TITLE		
.XX± 0.05	.XX±	FINISH		COAXIAL CABLE		
.XXX±	.XXX±		Q'TY	APPD: Sheng Tai	DWG NO: 014-0000-153	
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			DR:Duke Du 1/17/2001			
				SCALE	SHEET	REV.
				N/A	1/1	D

SCALE 10.000

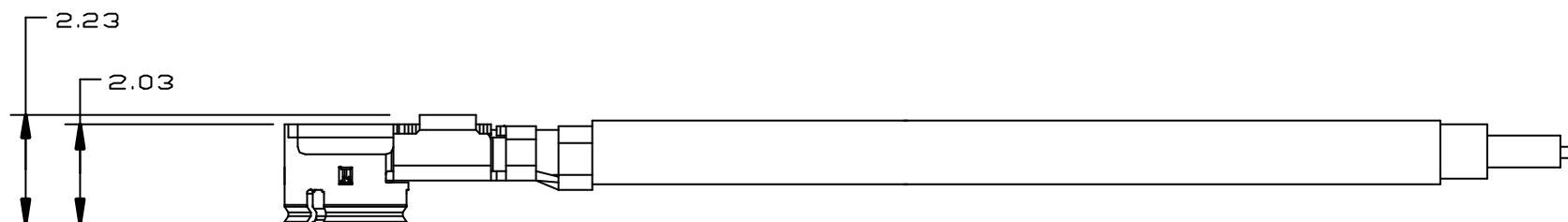
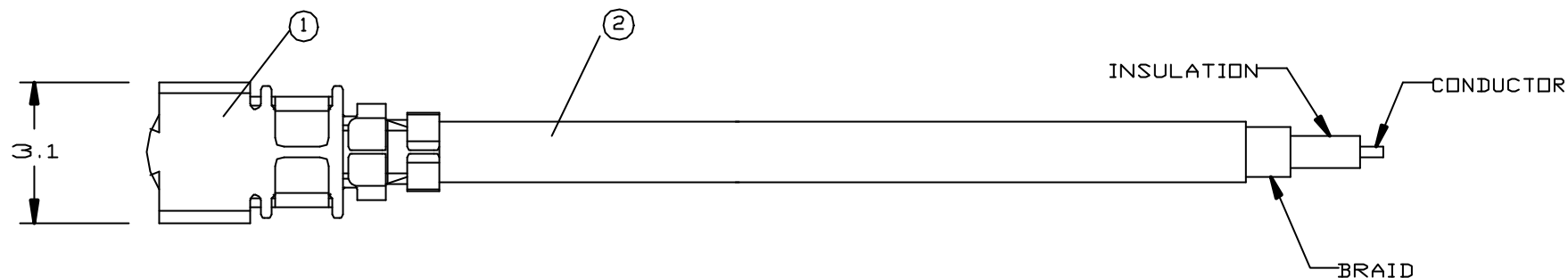
GENERAL SPECIFICATION:

1. CONTACT RESISTANCE: 20 MILIOHMS MAX.
2. INSULATION RESISTANCE: 500 MEGOHMS MIN.
3. WITHSTAND VOLTAGE 200 Vac
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. MATRX: SGX0001-00

REV.	ECN. NO.	APPD.
X2		D, KD



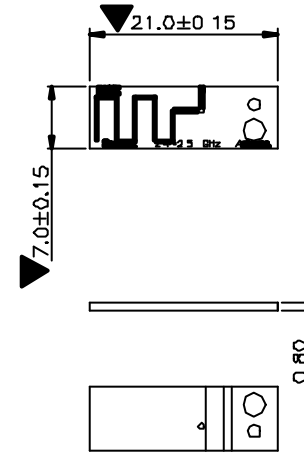
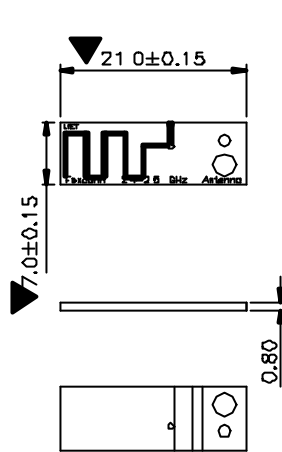
2	WIRE	703-3000-291	30AWG SOLD COAXIAL CABLE	A/R
1	RF CONN.	SGX0001-00	FOXCONN: EP01-025-001	1 PCS
ITEM	PART NAME	FOXCONN PART NO.	EQUIVALENT VENDOR & PART NO.	Q'TY

$\times \pm$	$\times \pm$	UNITS	mm	NAME (INTENDED USE)	FOXCONN
$\times \pm 0.1$	$\times \pm$	MAT'L		SGX0001-00	HON HAI PRECISION IND. CO., LTD. TAIPEI, TAIWAN, R.O.C.
$\times \times \pm 0.1$	$\times \times \pm$	SEE NOTES		PART NO. (INTENDED USE)	TITLE:
$\times \times \times \pm$	$\times \times \times \pm$	FINISH		SGX0001-00	RF CABLE ASSEMBLY
				APPD: D, KD	DWG NO:
				CHKD:	EP01-025-001
				DR: D, KD 12/2/00	SCALE SHEET REV.
					10:1 1/1 X2

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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.	ECN.	NQ.	APPD.
X1			

2	040-0002-893	II
1	040-0001-893	I
ITEM	P/N	TYPE

X, ±	X, ±	UNITS	NAME(INTENDED USE)	FOXCONN HON HAI PRECISION IND. CO.,LTD TAIPEI, TAIWAN, R.O.C.
x± ±0.2	x±	MAT'L	FOR QUANTA KT5	
.xx± ±0.1	.xx±		PART NO (INTENDED USE)	TITLE: PCB ANTENNA
.XXX±	.XXX±		APPD: Sheng Tai 3/5/06	DWG NO.: 040-0000-893
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			DR Paul Zhou 3/5/02	SCALE SHEET REV. N/A 1/1 X1

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.

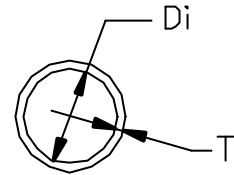
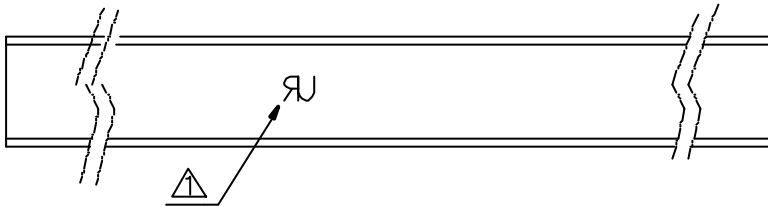
B=5: YELLOW.

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°.±			DWG NO.: 080-0000-620		
.XXX±	.XXX°.±	FINISH	APPD: H.C.ZHENG 6/15'2001			
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			DR: H.C.ZHENG 6/15'2001	SCALE N/A	SHEET 1/2	REV. K

[illegible]