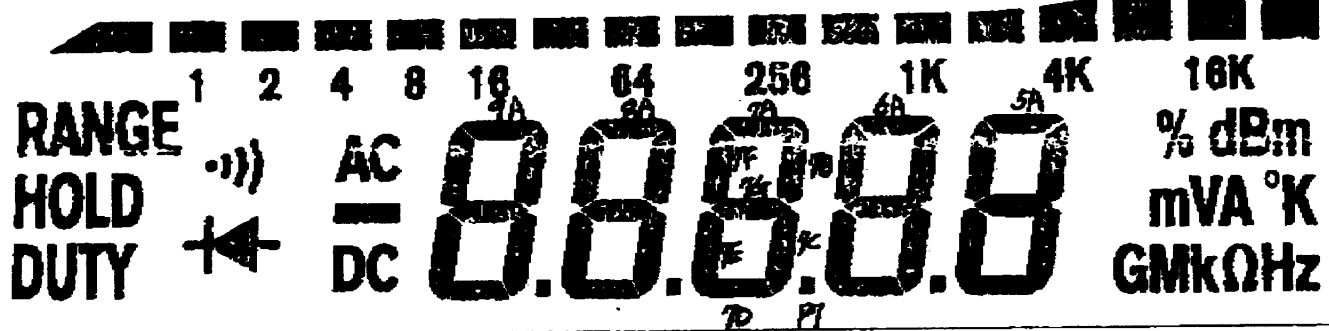
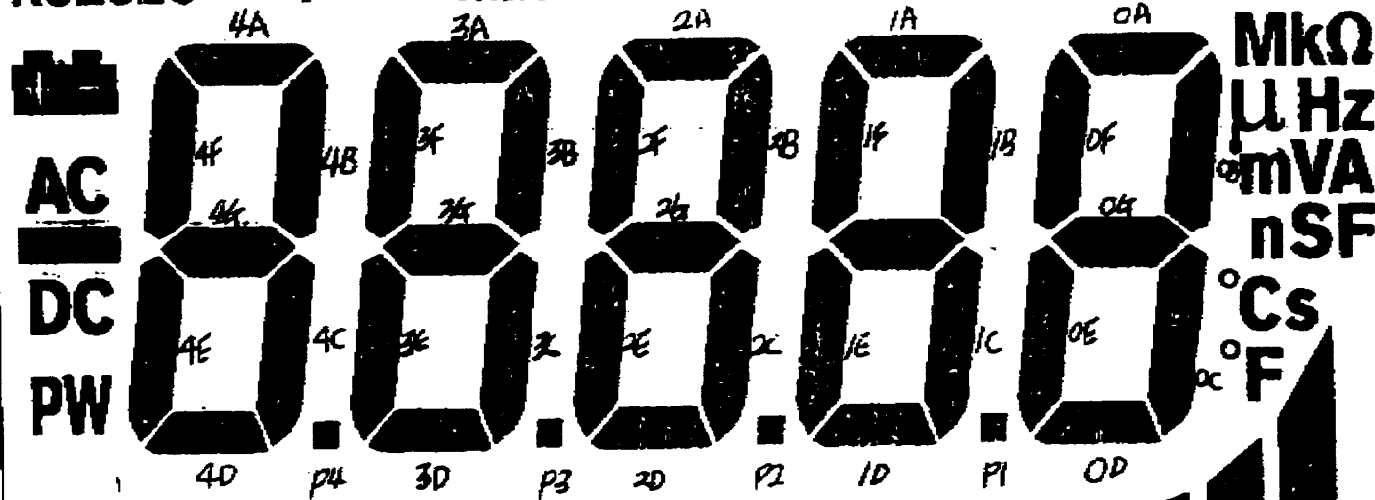





AUTO OFF PULSE MAX +PEAK REL RECALL GO/NG +%
 RS232C + - MIN -PEAK AVG STORE REF -%



SCALE 1 : 1

DMM 608 PROTOCOL

2000.04.25.설연구소 연구3실

1	2	3	4	5	6	7	8	비고
7B	7G	7C	P7	7A	7F	7E	7D	SUB DIGIT 3
9	10	11	12	13	14	15	16	
8B	8G	8C	P8	8A	8F	8E	8D	SUB DIGIT 4
17	18	19	20	21	22	23	24	
9B	9G	9C	P9	9A	9F	9E	9D	SUB DIGIT 5
25	26	27	28	29	30	31	32	
	RANGE	HOLD	DUTY		AC	=	DC	25-32 SUB UNIT
33	34	35	36	37	38	39	40	
B0	B1		PW	B2	B4	B8	B16	B는 BAR GRA.
41	42	43	44	45	46	47	48	
	AC	=	DC	4A	4F	4E	4D	MAIN DIGIT 5
49	50	51	52	53	54	55	56	
4B	4G	4C	P4	3A	3F	3E	3D	MAIN DIGIT 4
57	58	59	60	61	62	63	64	
3B	3G	3C	P3	2A	2F	2E	2D	MAIN DIGIT 3
65	66	67	68	69	70	71	72	
2B	2G	2C	P2	-	+			
73	74	75	76	77	78	79	80	
PULSE		AUTO OFF	RS232C	MIN	-PEAK	AVG	STORE	
81	82	83	84	85	86	87	88	
MAX	+PEAK	REL	RECALL	+%	-%	REF	GO/NG	
89	90	91	92	93	94	95	96	
1A	1F	1E	1D	1B	1G	1C	P1	MAIN DIGIT 2
97	98	99	100	101	102	103	104	
0A	0F	0E	0D	0B	0G	0C		MAIN DIGIT 1
105	106	107	108	109	110	111	112	
	Hz	'F	s		OHM	A	F	
113	114	115	116	117	118	119	120	
k	V	S	'C	M	u	m	n	
121	122	123	124	125	126	127	128	
		B16K	B8K	B512	B1K	B2K	B4K	BAR GRAPH
129	130	131	132	133	134	135	136	
B256	B128	B64	B32	%	m	G	M	B는 BAR GRA.
137	138	139	140	141	142	143	144	
dBm	V	OHM	k	'K	A	Hz		133-143 SUB UNIT
145	146	147	148	149	150	151	152	
5B	5G	5C		5A	5F	5E	5D	SUB DIGIT 1
153	154	155	156	157	158	159	160	
6B	6G	6C	P6	6A	6F	6E	6D	SUB DIGIT 2
161	162							

시작 1 BYTE HEX = 5B, CHAR = "["로 시작

종료 43 BYTE 에는 HEX = 5D, CHAR = "]"로 들어오며 한 화면의 LCD Data가 다 들어온 것을 나타냄.

시작BYTE와 종료 BYTE 포함하여 43 BYTE가 RECEIVER된다.

데이터는 9600,7,n,1로 구성되어 있으며, 1BYTE는 7BIT로 구성되어 하위 4BIT 만을 데이터로 추출한다.

4비트의 Data를 한 비트씩 분할하여 0과 같지 않으면 1로 활성화 시킨다.

총 41 BYTE를 이와 같은 방법으로 데이터를 추출하면 162EA의 데이터 Bit가 만들어진다.

41BYTE가 하나의 LCD화면을 표시하며 각 비트에서 1은 활성화되어 LCD에 표시된다.

SEND DATA (HEX)

* HOLD = 5

* LIGHT = 7

* RANGE = 6

* MENU = 8

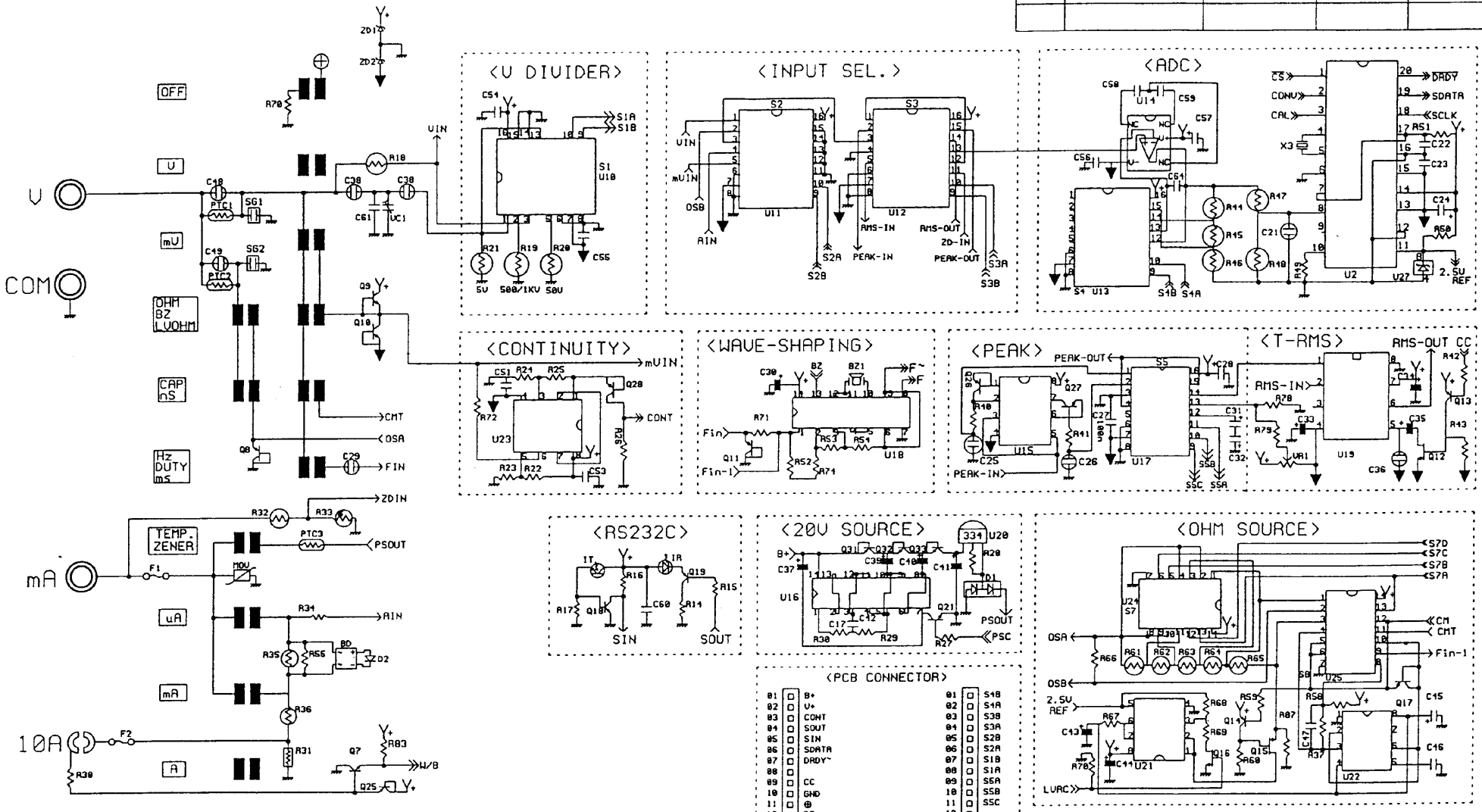
* ALT_F = 1

* LEFT = 2

* RIGHT = 3

* ENTER = 4

MARK	CORRECTION	REASON	DATE	NAME



NOTE

1) EACH ANALOG SW SHOWS CONTACT SETTINGS FOR CONTROL LOGIC LOW.
 2) DELETED: D08 D9 D10 D12 D13 D14 D15 D16 D17 D18 D19 D20 D21 D22 23 Q24 Q22 R66 R57 R81
 6.2U 3904 3904

3) CHANGED IN PLACE: D14 D6 D8 R39 C50 R66 D1 D2
 IN VALUE: R19 R20 R21 R66 (1M => 100K) R17 R18 R15 R17 R50 R69
 IN BOTH: R37 (10K => 56K) C38 C52 R55

4) LAST NO.: R74 C59 D7 ZD3 Q21 U29 PTC3 R44 IT IR

5) ADDED: R75 R82 C60 Q28 U30 UR1 UC1
 R76 R83 C61 Q23 Q29
 R77 R84 C62 Q30
 R78 R85 C63 Q25 Q31
 R80 R87 C64 Q26 Q32
 R81 Q27 Q33

SPECIAL SYMBOL

B+ +9V BATTERY : OUT
 ⊕ +5V DIGITAL : IN
 ⊕ +5V ANALOG : IN TO CH
 ⊕ +5V ANALOG : 1/0 TO CH
 ⊕ GND : IN TO CH
 ⊕ -5V ANALOG : 1/0 TO CH

PCB CONNECTOR

01	□	B+
02	□	U+
03	□	CONT
04	□	SOUT
05	□	SIN
06	□	SDATA
07	□	DRDY
08	□	CC
09	□	GND
10	□	GND
11	□	CS-
12	□	BZ
13	□	CS+
14	□	CONU
15	□	CAL
16	□	SCLK
17	□	U-
18	□	W/B
19	□	PSC
20	□	LURC

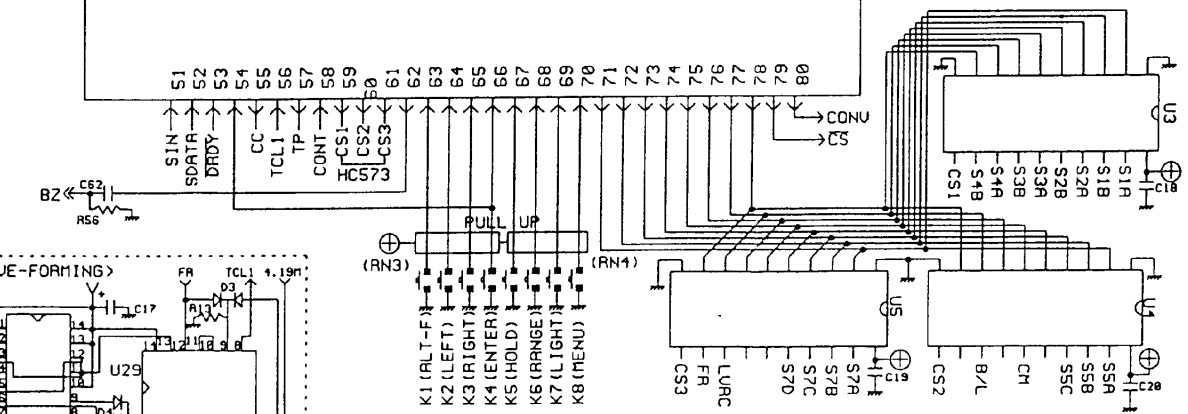
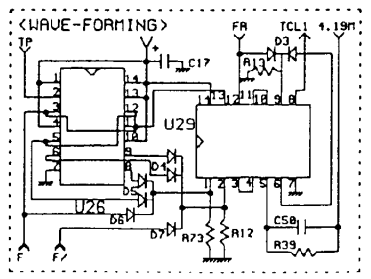
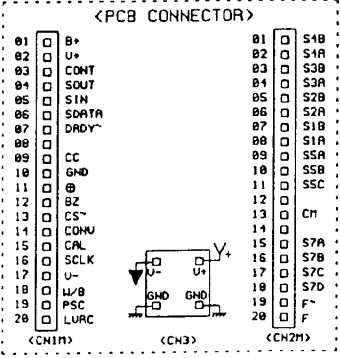
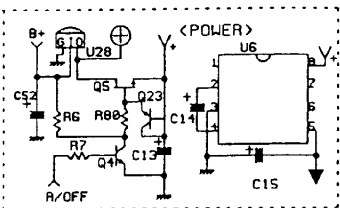
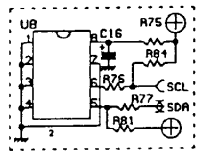
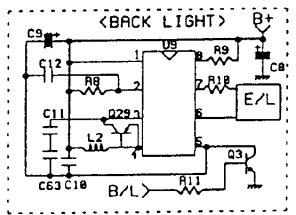
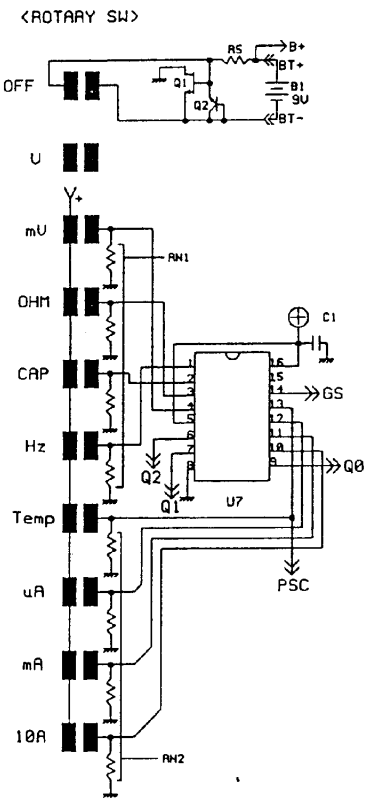
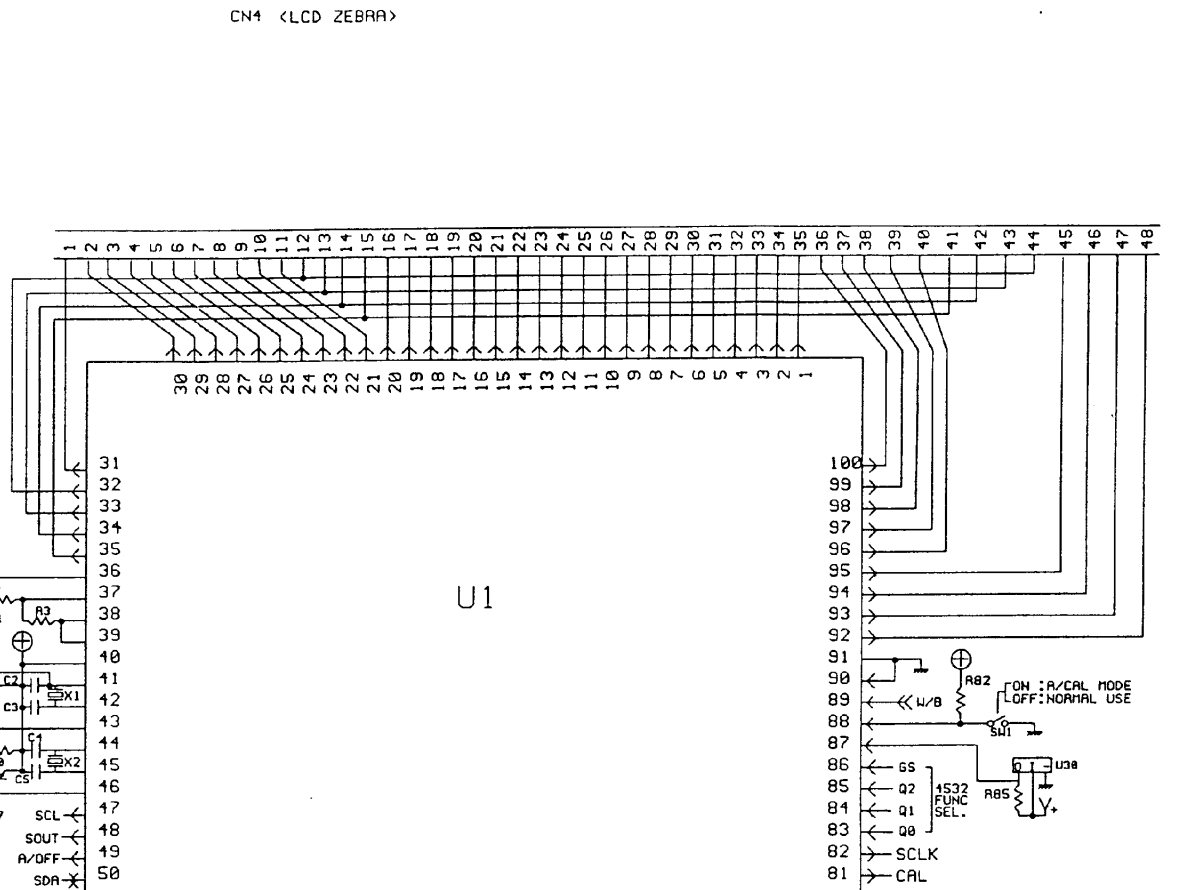
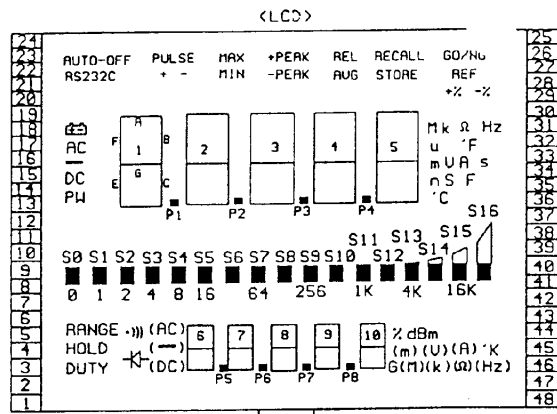
01 □ S18
 02 □ S14
 03 □ S38
 04 □ S3A
 05 □ S28
 06 □ S2A
 07 □ S1B
 08 □ S1A
 09 □ S6A
 10 □ S5B
 11 □ S5C
 12 □ CH
 13 □ S7A
 14 □ S7B
 15 □ S7C
 16 □ S7D
 17 □ S7E
 18 □ F-
 19 □ F-
 20 □ F-

(CN1F) (CN3) (CN2F)

REVISION

REV#	REASON	DATE	NAME
A			
B			
C			

DRAWN	CHECKED	APPROVED	THIRD ANGLE PROJECTION	SCALE / UNIT	SAVE NAME: 608-1.SCH
Y. J. SEO		S. J. LEE		M/M	DWG. #: HC608SCH01
99.4.28		99.10.4			REV#:
HUNG CHANG HUNG CHANG PRODUCTS CO., LTD.			TITLE: HC608 FUNCTION DIAGRAM		SIZE: A3 SHEET 2 OF 2



DRAWN	CHECKED	APPROVED	THIRD ANGLE PROJECTION	SCALE	SAVE NAME: 608-1.SCH
Y. J. SEO		S. J. LEE		UNIT: M/M	DWG. #: HC608SCH01
99.1.28		99.10.1	TITLE	HC608	REV.:
HUNG CHANG HUNG CHANG PRODUCTS CO., LTD.			FUNCTION DIAGRAM		SIZE A3 SHEET 1 OF 2

향성도 인천공장 QC 노선

규격 변경 통보서

- 관련 제품 품목명 : HC 608 의 RS232 'Ass'y (Accessory)

- 관련 제품 품목코드 : R21-R001-39273

본 통보서 발효된 24시간 이내에 할 것

본 통보서는 양쪽 당사 수발에 유선하여 배포할 것

(구분)	(전동처리)
A: 추가	1. 재고사용
B: 규격 변경	2. 폐기
C: 삭제	3. 양품
D: 도면 변경	4. 전동

No	구분	종종 MODEL	FROM			TO			변경 사유	전동 처리	평가 영향
			Part No.	품명 및 규격	Q/TY	Part No.	품명 및 규격	Q/TY			
1	B	RS232C Ass'y	R6	4.7M	1	R6	1K	1	성능향상	공용자재	무
2	B	"	R4	100K	1	R4	10K	1	"	"	무
3	C	"	Q1	3904	1				"	"	감소
4	C	"	R5	22K	1				"	"	감소
5											
6											
7											

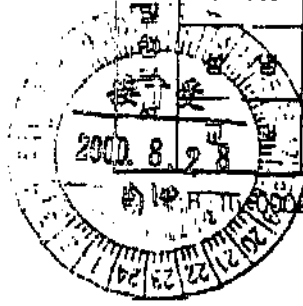
(비고내용)

HC 608 용 Accessory 인 RS232C Ass'y 의 RS232 PCB Ass'y 에서 저항 2개 용량 변경, 저항 1개 더 TR 1개 삭제, IT 특성 전환 임.

* 관련 근거 자료 : 00. 7. 7일자 연구3실 발행 Engineering Report (RD3507/A)

<p>HC 608 전용의 RS232 Ass'y 의 수선 성능을 개선하여 HC307 용으로도 공용 가능하게 하고 성능특성 개선으로 Data 전송 Error 차등성 제거.</p>	<p>합의 부서</p> <ul style="list-style-type: none"> • 연구소: ()실 (인) • 품질지원 (인) • 생산지원 (구매(인)/자재(인)) • 생산 (인)
<p>배도 공장 (김성권 차장) FAX 2/4 연구소 ()실, 생산기중, 품질지원, 생산지원(구매/자재) 생산, 양업(국내/해외, AIS PART)</p>	<p>대 이 후 대 까 지</p>
<p>적용일</p>	<p>즉시</p>

부서명	HC R&D 연구3실	결	사	승인	발행일	00. 7. 13
이석주 (인)					변경명 No	T240000000
02-3140-0771 번	4/114	7/114			일시	영구 신규

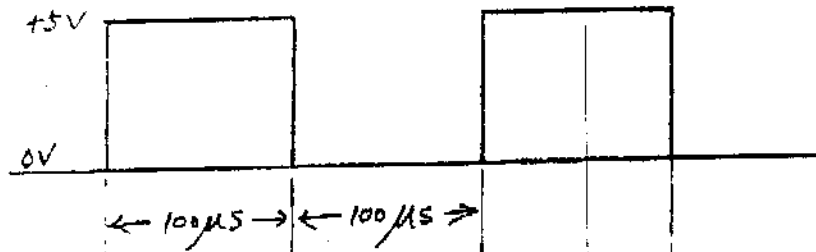


决 係長 課(代)長 (인) 總 務 課

RS232 Ass'y 실험 결과

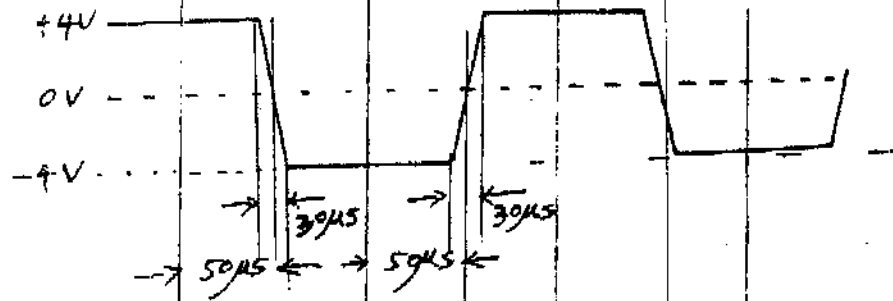
HCR&D 연결일
00. 7. 12

[IR LED 입력 신호 파형
Shown at CH1 of DSO]

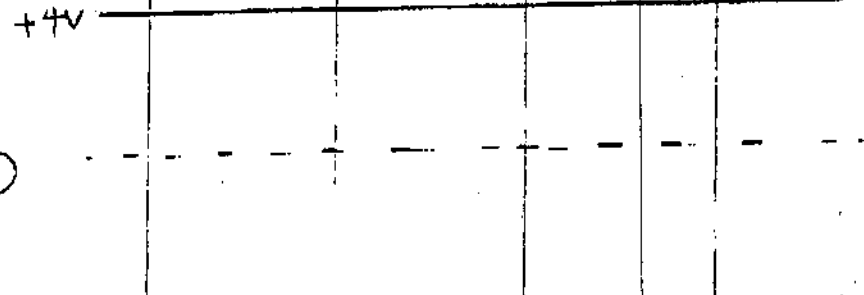


[RX 출력 신호 파형
Shown at CH2 of DSO]

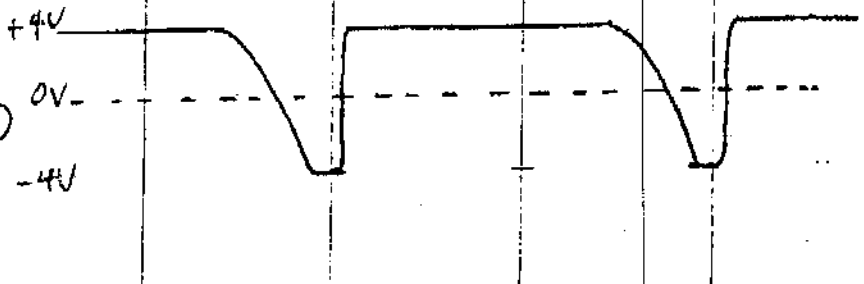
1) 회로 수정 전



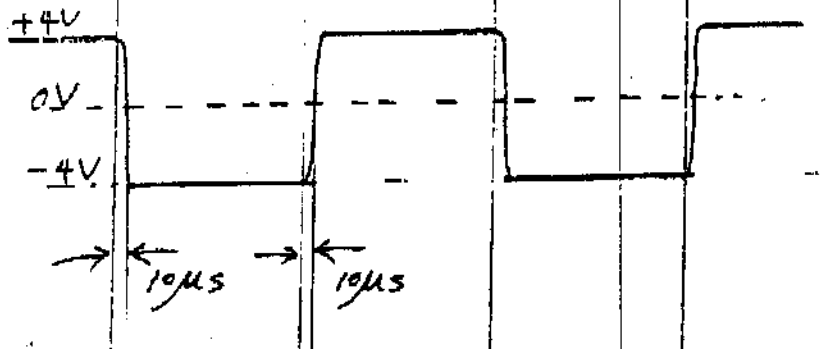
2) 1차 수정 후
(IR Photo TR의
극성을 확인, 재로딩)



3) 2차 수정 후
R6 (4.7M ⇒ 1K)
Q1, R5 delete

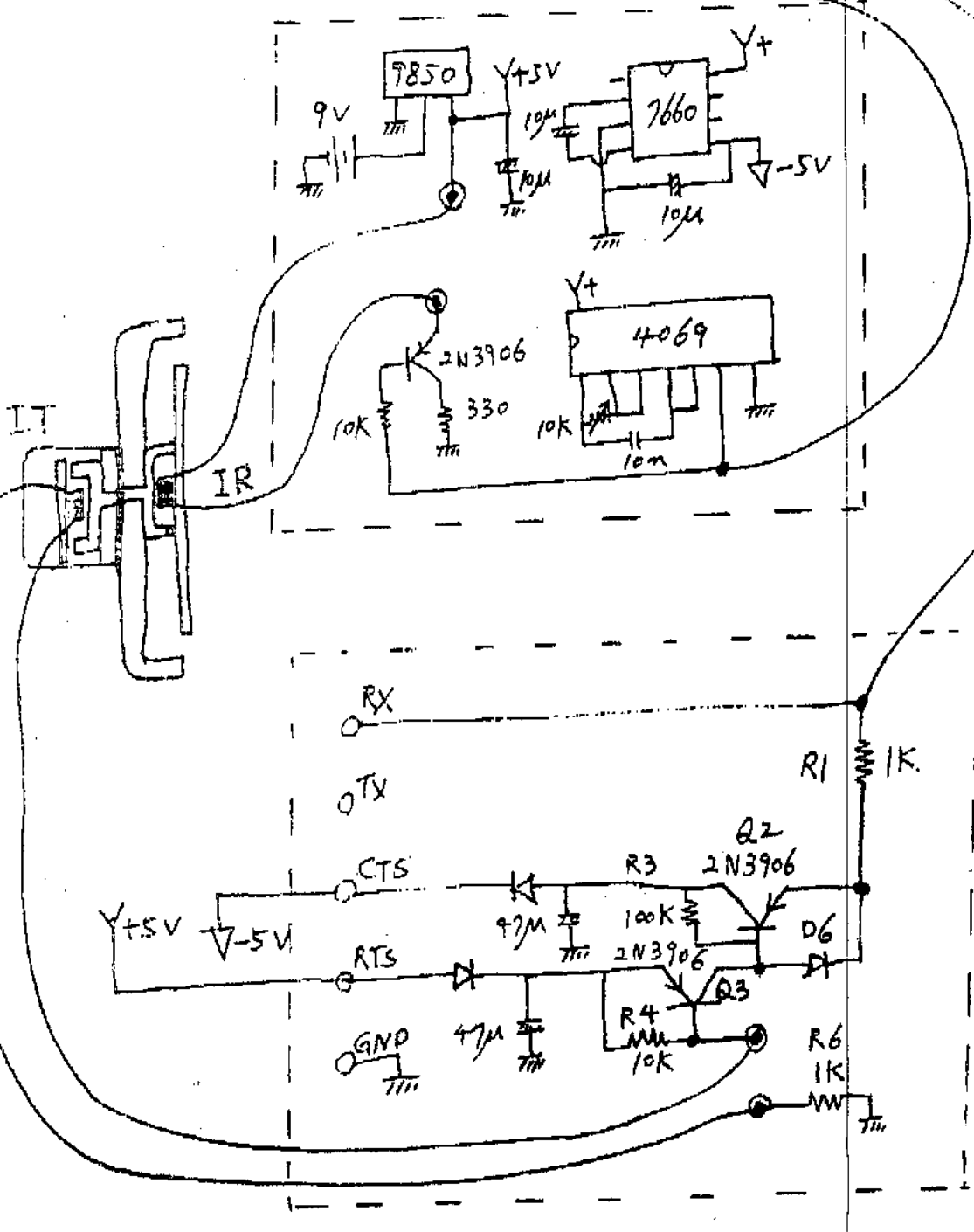
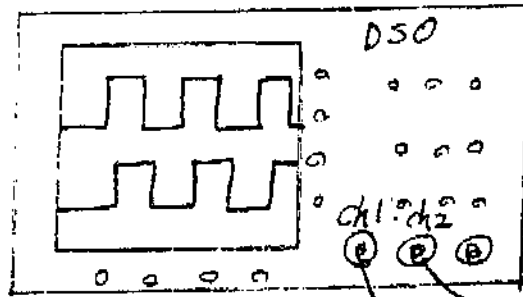


4) 3차 수정 후
R6 (4.7M ⇒ 1K)
R4 (100K ⇒ 10K)
Q1, R5 delete



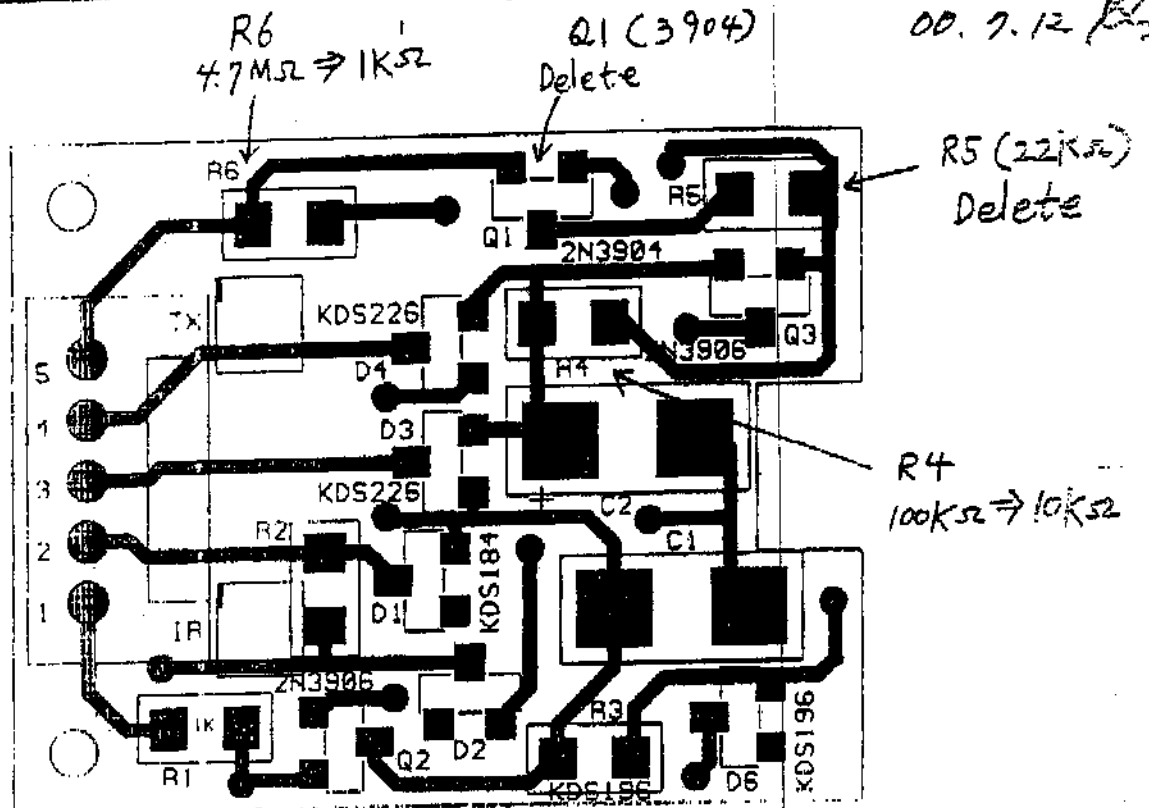
HC608 용 (IR type) RS232 Cable Assy 실험장치 구성도

HC R&D 99.3월
00. 7. 13

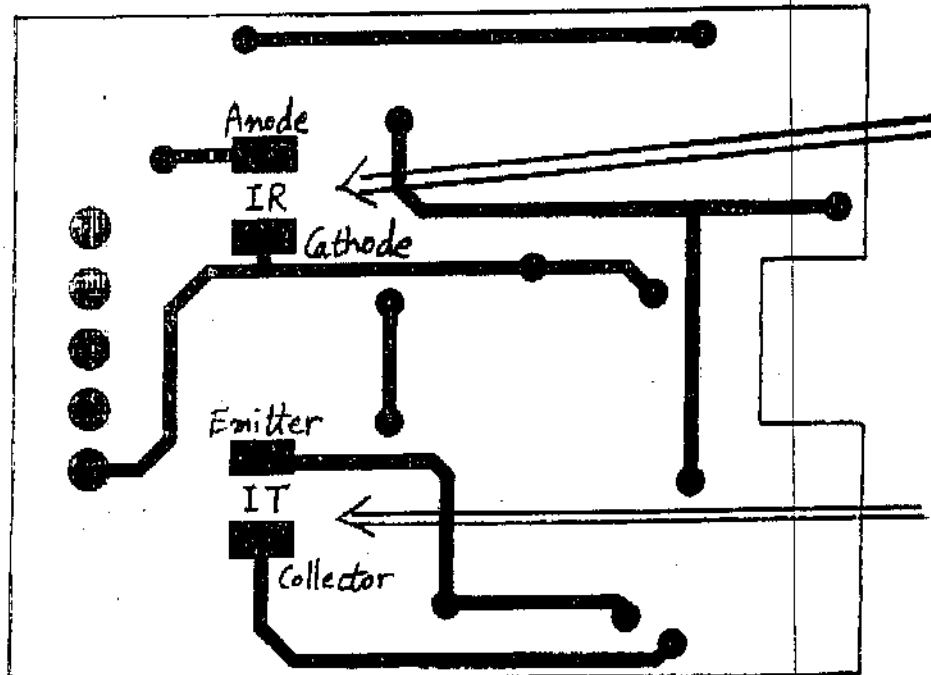


HC608 RS232 Cable PCB Ass'y 수정부위 표시도

HC R&D 07.12



< Component side view >



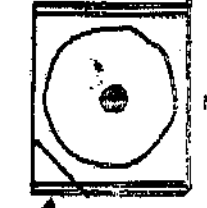
< Solder side view >

< IR LED >



Cathode

< Photo TR >

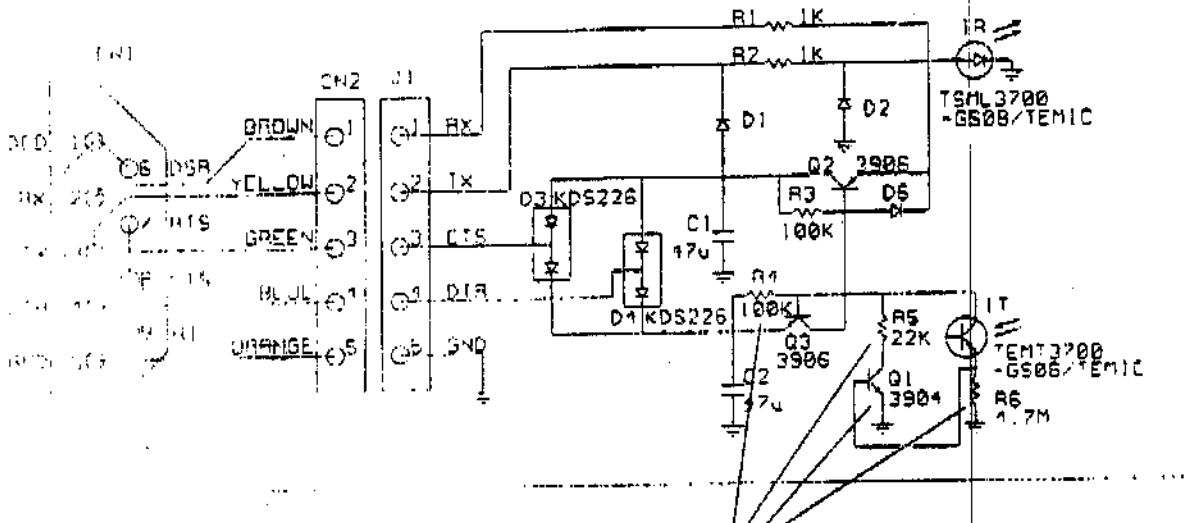


Collector

RS232C Ass'y 회로도 수정
Modified as of 00.7.7

HC R&D
00.7.7

HC608 RS232C CABLE ASS'Y

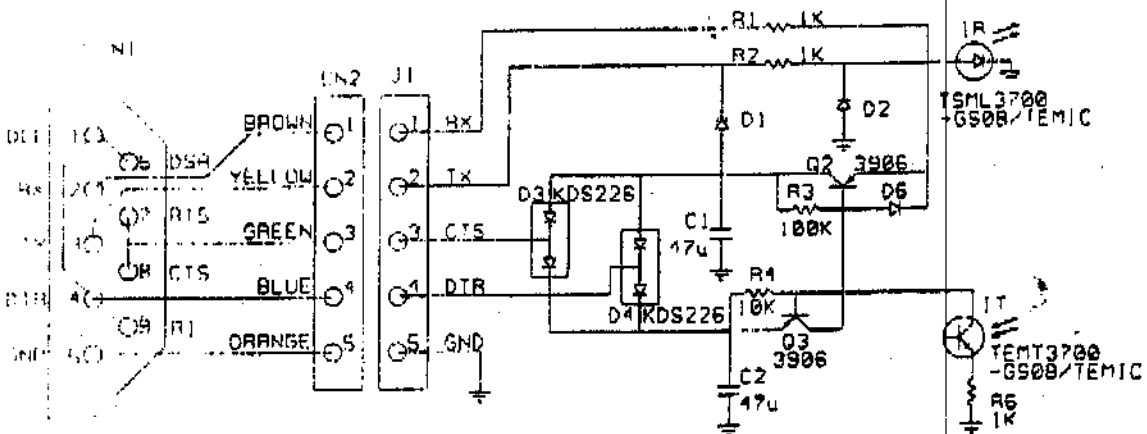


R4: 100K → 10K
R6: 4.7M → 1K
R5: Deleted
R1: Deleted



MODIFIED FOR MATCHING WITH HC307
AND BETTER RECEIVING PERFORMANCE

HC608 RS232C CABLE ASS'Y



NO.	DESCRIPTION	STOCK NO.	DATE	BY	REVISED	REVISION
	REVISION HISTORY					
	REV. 1	4.5.4				
	PROJ. NAME					
HC	HUNG CHANG					
TITLE			HC608 RS232C CABLE ASS'Y		DATE	000-232

(C.C. : 44 RC (725210))

검 토	심 사	승 인
99.12.6	99.12.6	99.12.7
<i>[Handwritten Signature]</i>	<i>[Handwritten Signature]</i>	<i>[Handwritten Signature]</i>

사 양 승 인 원

제조사 품명: D-SUB 9P/HOUSING CABLE ASSEMBLY

제조사 규격: H004

발행 년월일: 1999. 11. 30.

PART No.	C32-C001-39197
품 명	RS232C CABLE Assy
규 격	H004 D-SUB 9P & 5PIN
최초적용기종	HC60A
사용 승인 No.	-
인정 검사 No.	E-K4B1-1999-66
승인 유효기간	-

비 고	연구기획실
	관리 NO 확인
	SCAB-99-015 <i>[Handwritten Signature]</i>

신청회사명: 웨이브전자주식회사

주 소: 경기도 안양시 만안구 안양7동 201-10

전화번호: 대표이사 노 흥 환

Tel: 0343-443-3625

배부처:

생산지원팀 (구매)

(225×310mm)

To: Wave Electronics

SUBJ: SPECIFICATION SHEET

DESCRIPTION: D-SUB 9P/HOUSING CABLE ASSEMBLY

CUSTOMER DRAWING NO:

PART NO: H004

"SPS" NO:

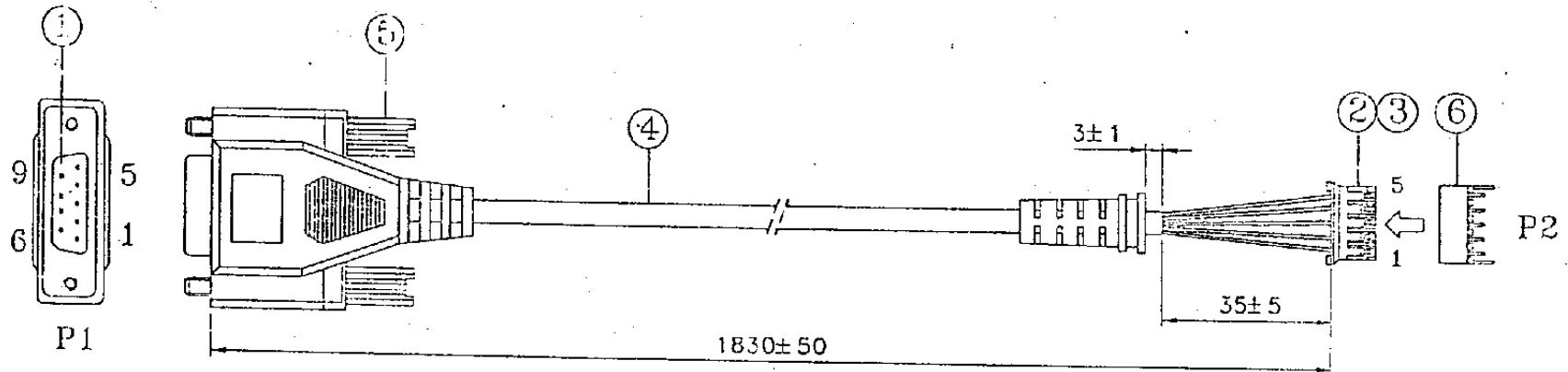
"SPS" DATE: JUNE 15, 1998

REMARKS:

APPROVAL SIGNATURE

Bizlink International Corporation
7F-4, No 191, Sec. 2, Chung-Yang Rd. Tu-Cheng City, Taipei Hsien, Taiwan
Tel: 886-2-2262-1050 Fax: 886-2-2274-4973

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



SPECIFICATION

- 1.D-SUB: 9P FEMALE SOLDER BLACK
- 2.HOUSING: JWT A2001H02-5P
- 3.TER: JWT A2001TOP
- 4.CABLE: UL2464 28AWG 5C+1 SINGLE SHIELD
BLACK OD=5.0mm L=1830mm
- 5.SCREW: #4-40 UNC ABS MOLDED BLACK L=31.5mm
- 6.WAFER: JWT A2001WR2-5P RIGHT ANGLE

Q'TY

- 1
- 1
- 5
- 1
- 2
- 1

WIRE LIST

P1	COLOR	P2
1		
2	RED	1
3	YELLOW	2
4	LIGHT GREEN	4
5	BLACK	5
6		
7	GREEN	3
8		

BIZLINK CHINA INC.	
TITLE CABLE ASS'Y	PART/DRAWING NUMBER H004
DRAWN BY PHILIP REN	DATE 6/03/98
CHECKED BY <i>[Signature]</i>	DATE 6/8/98
APPROVED BY <i>[Signature]</i>	DATE 6/13/98
REV. A0	SCALE: NONE UNIT: mm
TOLERANCES UNLESS NOTED: ±0.25	
COMPUTER NUMBER:	

客戶名稱: 中國鋼鐵工業股份有限公司 CHUNG YUAN STEEL INDUSTRY CO., LTD.

規格名稱: JIS S3153 SPCC-SD, COILED, 10Q2, UCI

品名: R-35

檢驗項目: COIL MILL INSPECTION

品名: CR SHEET-COIL

製鋼號碼: E892272272

客戶編號: 11527802

交通日期: SEP. 04, 1976

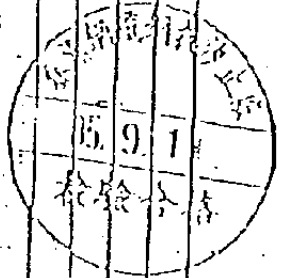
客戶訂單號碼: CUST ORDER NO.

證明書編號: 050920F 2024

中華民國標準: CNS 6102

證明書日期: SEP. 10, 1976

品名	規格	重量	數量	鋼號	鋼卷號	鋼片編號	化學成分		機械性能		物理性能		金相組織		試驗結果		備註	
							C	Mn	P	S	SI	NI	CR	AL	AS	PH		PH
SPECIFICATION																		
01	T865701	6.46	3218	COIL	18,293	8264	80871											
	T865967	"	"	"	9,399	8298	73276											
	T865968	"	"	"	9,360	8298	73276											
	T869381	"	"	"	11,890	8298	89484											
	T869162	"	"	"	10,325	8298	89484											
	T869163	"	"	"	10,600	8298	89484											
	T869153	"	"	"	8,215	8137	89455											
	T869417	"	"	"	8,820	8137	89455											
02	T869404	7.45	3218	COIL	10,985	8138	89463											
			3024	"	9,900	8138	89463											



茲證明本表所列產品，均按材料規格製造及試驗，並符合規格之要求。
WE HEREBY CERTIFY THAT MATERIAL DESCRIBED HEREIN HAS BEEN MANUFACTURED
AND TESTED WITH SATISFACTORY RESULTS IN ACCORDANCE WITH THE REQUIREMENT OF
THE ABOVE MATERIAL SPECIFICATION.

M.G. Wong
總經理

FOR REFERENCE ONLY

SUBJECT TO

RTRT2

March 29, 1994

Component - Receptacles for Attachment Plugs and Plugs

NO. 09811876-2
III
97年11月

WING SPAN ENTERPRISE CO. LTD
11 LANE 369 TA TUNG RD SEC 3 HSI CHIII
TAIPEI TAIWAN

E127726 (F)
(A card)

Connectors, Cat. No. C followed by 09, 15, 25 or 37, followed by S or P; Cat. No. C, S, SR or ST followed by 21P; Cat. No. CE followed by 10, 14, 16, 20, 26, 34, 40, 50 or 80, followed by P; Cat. No. DB or DBS followed by 09, 15, 19, 23, 25, 37 or 50, followed by S or P; Cat. No. DBR followed by 09, 15, 25 or 37, followed by S or P; Cat. No. DF followed by 9, 15, 25 or 37; Cat. No. DP or FC followed by 8, 10, 14, 16, 20, 24, 26, 30, 34, 40, 50, 80 or 84, followed by P; Cat. No. H followed by 15, 26, 44 or 62, followed by S or P; Cat. No. HC followed by 15, 26, 44 or 62, followed by S or P; Cat. No. HR followed by 15, 26, 44 or 62, followed by S; Cat. Nos. PCDR, PCDS, PHDR, PHDS followed by even numbers 2 through 80, followed by G or T; Cat. No. PCSR, PCSS or PHSR followed by digits 1 through 40, followed by G or T; Cat. No. PHSS followed by digits 1 through 80, followed by G or T; Cat. No. RC followed by 10, 20, 30, 40 or 80, followed by 14, 24, 36 or 50, followed by 0; Cat. No. RCR followed by 14, 24, 36 or 50, followed by PM; Cat. No. RCF followed by 24, 36 or 50; Cat. No. RCS followed by 10, 20 or 40, followed by 14, 24, 36 or 50, followed by 0; Cat. No. RCR followed by 10, 20 or 40, followed by 14, 24, 36 or 50, followed by 0; Cat. No. SD followed by 09, 15, 25 or 37, followed by S or P.

Marking: Company name or tradename "WSP" and catalog designation on device or carton.

Report: August 20, 1991.

693700001

Underwriters Laboratories Inc.®

(Cont. on B card)

D11/0198655



Certificate of Compliance

Certificate Number: LR 109703-1

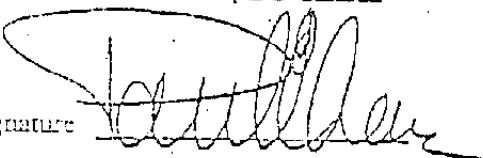
Revision: LR109703-1

Date Issued: August 7, 1997

Issued to:
Wing-Span Enterprise Co., Ltd.
No. 11, Lane 369, Sec. 3, Tanung Rd.,
Hsi Chih Chen, Taipei Hsien, Taiwan

The products listed below are eligible to bear the CSA Mark.

Issued by: Paul W. Chan, AScT.
Vancouver, BC Canada

Signature 

CLASS

CLASS 6233 01 - RECEPTACLES - Attachment Plug Type and Plugs

PRODUCTS

Special-Use Connectors, rated 30 V and as follows:

Part	Type	Cat No	No. of Contact	Ampere (A)
A	D-Sub, Solder type	MD-50XXX-XXX	50	1
B	D-Sub, Solder type	MDS-XXXXXX-XX	50, 68	1
C	D-Sub, IDC type	MDF-XXXXXX-XX	26, 50, 68	1
D	D-Sub, Solder type	DB-XXXXXX-XX	9, 15, 19, 23, 25, 37	2
E	D-Sub, Solder type	DBS-XXXXXX-XX	9, 15, 19, 23, 25, 37, 50	2
F	D-Sub, Solder type	H-XXXXXX-XX	15, 26, 44, 62	2
G	D-Sub, Solder type	HS-XXXXXX-XX	15, 26, 44, 62, 78	1
H	D-Sub, Solderless type	SD-25XXX-XX	25	2

Notes:

- 1) Certified only for use as components of other certified assemblies where the suitability in end-use equipment is determined by the Canadian Standards Associations.
- 2) Connectors are not suitable for interrupting current.

DQD 507

BizLink

***** THE BILL OF MATERIAL *****

PART NO: H004

REV: A0

DATE: 06-15-98

PAGE: 1OF2

ITEM	P / N	QTY	DESCRIPTION	VENDOR
1	AA1311201A	1	D-SUB: 9P FEMALE SOLDER TYPE BLACK GOLD FLASH	TAYUN; WINTEAM
2	AFA040510B	1	Housing: JWT A2001HO2-5P	JWT
3	AGA096220B	1	TER: JWT A2001TOP-2	
4	BB1630505A	2	CABLE: UL2464 28AWG 5C(RED, YELLOW, LIGHT GREEN, BLACK GREEN)+1 Single SHIELD OD=5.0mm BLACK L=1830+15/-0mm	COPARTNER SPACE SHUTTLE
5	CE2721105A	2	SCREW: #4-40 UNC ABS MOLDED BLACK L=31.5mm	WeiXiang KENPO
6		1	WAFER: JWT A2001WR2-5P RIGHT ANGLE	JWT
7	CG0000101A	5g	PE:	Luen Hung Fat
8	CG0054501A	24g	PVC: 45P BLACK BZ-005	
9	EB1240000A	1	MINI BELT: L=120mm BLACK	
10		1	PE BAG: 7 × 11 inch	
11			Folding Bag:	
12			CARTON: 45 × 34 × 25mm	

APPROVED BY: Nancy 6/16 '98

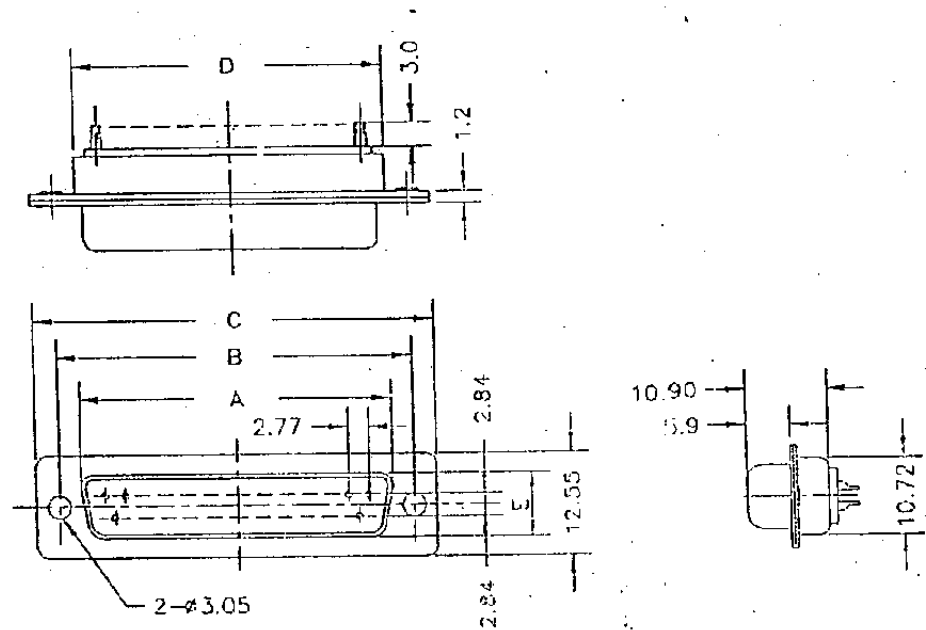
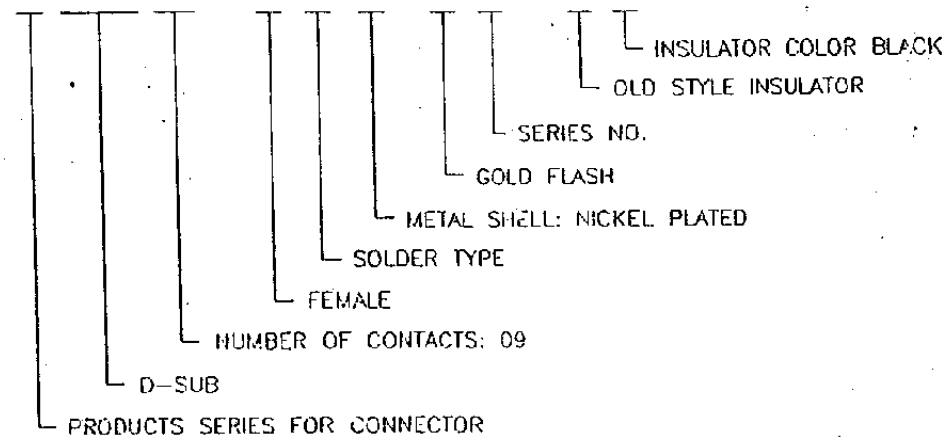
CHECKED BY: [Signature] 6/16 '98

DESIGN BY: Nancy 6/15 '98

D-SUB SOLDER TYPE FEMALE(-09,15,19,23,25,37 POSITIONS)

Eg. P/N:

G D B 09 - F S N 1 0 1 - O K



MECHANICAL

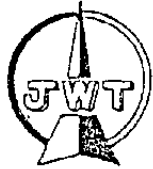
- INSULATOR MATERIAL: PBT & GLASS-FIBRE REINFORCED UL 94V-0
- CONTACT: BRASS OR PHOSPHOR BRONZE
- SHELL: NICKEL (OR TIN, ZINC, GOLD) PLATED STEEL
- NUMBER OF CONTACT: 09, 15, 19, 23, 25, 37
- DURABILITY: 100 CYCLES

ELECTRICAL

- CURRENT RATING: 5 AMP
- DIELECTRIC WITHSTANDING VOLTAGE: AC 1000V MIN. (FOR 1 MINUTE)
- INSULATION RESISTANCE: 5000MΩ MIN. (AT 500V DC)
- CONTACT RESISTANCE: 15mΩ MAX. MATED
- WORKING TEMPERATURE: -55°C TO +105°C

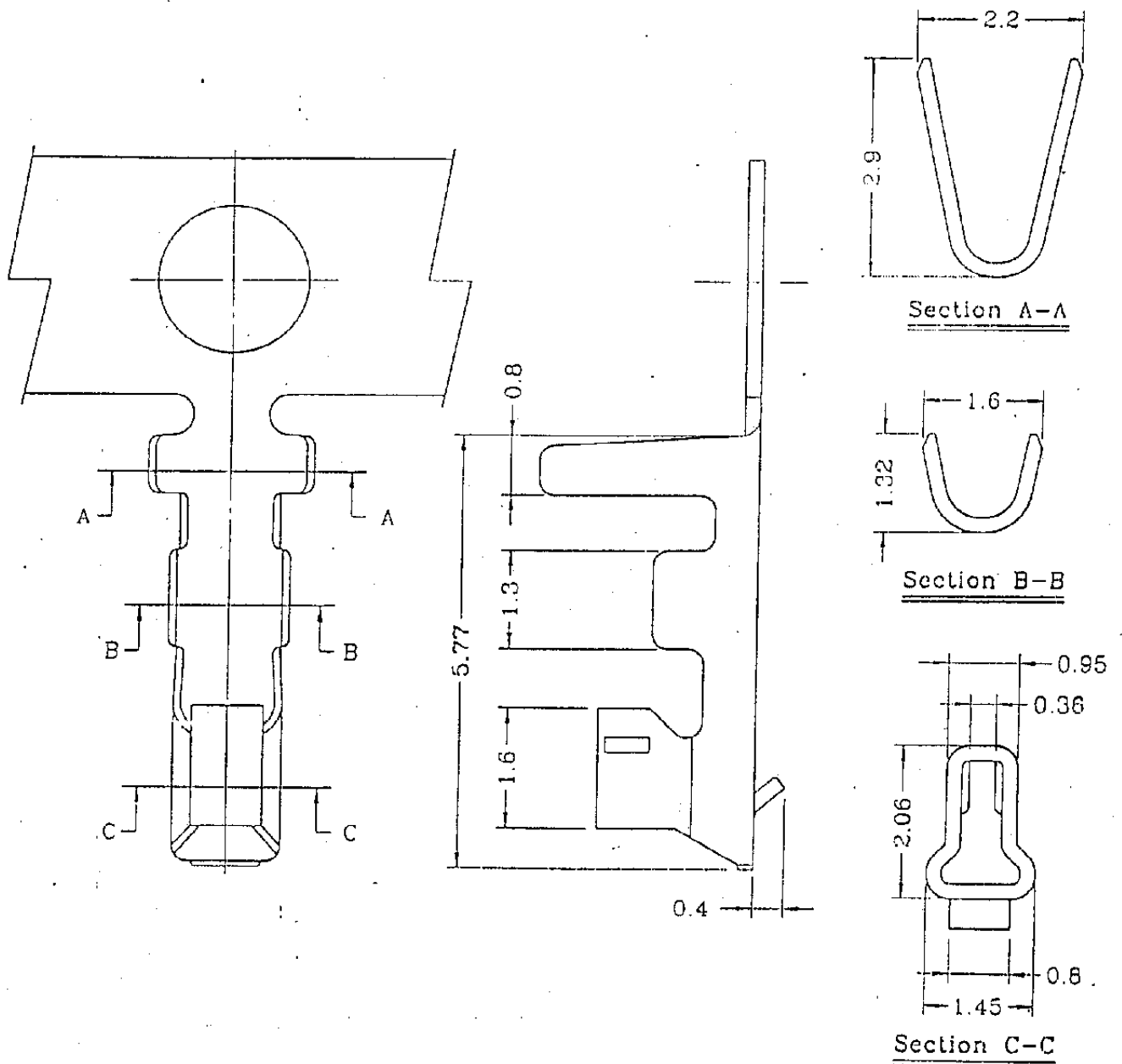
POSITIONS	A	B	C	D	E
	±0.25	±0.13	±0.38	±0.25	±0.25
09	16.33	24.99	30.81	19.28	7.90
15	24.66	33.32	39.14	27.65	7.90
19	30.07	38.86	44.85	32.86	7.90
23	35.54	44.28	50.27	38.38	7.90
25	38.38	47.04	53.04	41.30	7.90
37	54.84	63.50	69.32	57.44	7.90

DRAWN	周斌	Winteam Enterprise Co., Ltd.	PRODUCT NAME: D-SUB FEMALE SOLDER TYPE				
CHECKED	郭震		CUSTOMER NAME:				
APPRD.	97.12.04/gz	3rd ANGLE PROJECTION	CUSTOMER P/N:				
TOLERANCE	0.0: ±0.25 0.00: +0.05	UNIT: MM	DATE: 97.12.04	A4	PART NO. GDB09-FSN101-OK	DWG NO. GDB09F01-00	ISSUE A
			SCALE: NONE	QTY: 1	SHEET 1 OF 1		



加煒興業股份有限公司
 JOWLE TECHNOLOGY CO., LTD.
 台北縣新莊市化成路43巷2號
 TEL : 9973182 FAX : 9965006

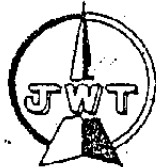
DOCUMENT NO.
 RDE0053A
 SERIAL NO.
 A2001T



Specifications & Ordering Information:

Part No	Wire Range	Insulation O.D.	Material	Finish	Qty/reel
A2001TOP-2	AWG #24~#30	1.40mm(max)	Phosphor bronze	Tin-plated	10,000 PCS
A2001TOP-2L	AWG #24~#30	1.40mm(max)	Phosphor bronze	Tin-plated	10,000 PCS

REV.	ECN NO.	UNIT	TOLERANCE	PROJECTION	DRAWING	CHECK	APPROVAL
△	NEW DRAWING	mm	*** ±0.08 ** ±0.15 * ±0.25			<i>Jiw</i> 4/27/97	<i>Ranchi</i> 4/29/97



加煒興業股份有限公司
JOWLE TECHNOLOGY CO., LTD.

台北縣新莊市化成路43巷2號

TEL : 9973182 FAX : 9965006

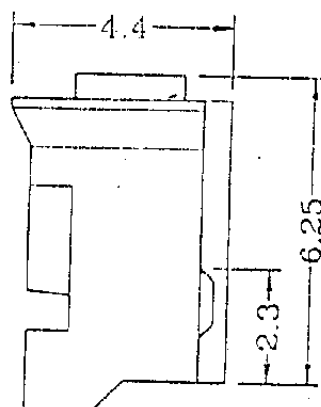
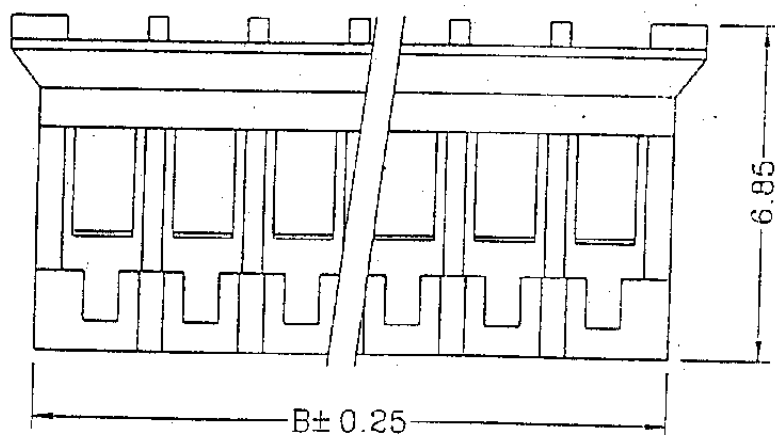
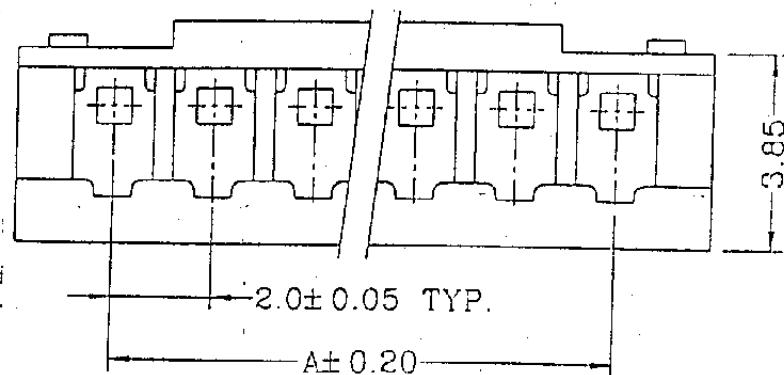
DOCUMENT NO.

RDE0052A

SERIAL NO.

A2001H

Material: Nylon 66 UL94V-0



Dimensional & Ordering Information:

Circuits	Part No	Dimensions		PCS/BAG
		A	B	
2	A2001H00-2P	2.00	4.85	1000
3	A2001H00-3P	4.00	6.85	1000
4	A2001H00-4P	6.00	8.85	1000
5	A2001H00-5P	8.00	10.85	1000
6	A2001H00-6P	10.00	12.85	1000
7	A2001H00-7P	12.00	14.85	1000
8	A2001H00-8P	14.00	16.85	1000
9	A2001H00-9P	16.00	18.85	1000
10	A2001H00-10P	18.00	20.85	1000
11	A2001H00-11P	20.00	22.85	1000
12	A2001H00-12P	22.00	24.85	1000
13	A2001H00-13P	24.00	26.85	1000
14	A2001H00-14P	26.00	28.85	1000
15	A2001H00-15P	28.00	30.85	1000
16	A2001H00-16P	30.00	32.85	1000

REV.	ECN NO.	UNIT	TOLERANCE	PROJECTION	DRAWING	CHECK	APPROVAL
A	NEW DRAWING	mm	*** ± 0.08 ** ± 0.15 * ± 0.25				



加煒興業股份有限公司
JOWLE TECHNOLOGY CO., LTD.

台北縣新莊市化成路43巷2號

TEL : 9973182 FAX : 9965006

PREPARED DATE

4, 7, 97

DOCUM. NO.:

MODEL NO.:

塑膠材質證明

QMFZ2

May 10, 1989

Component - Plastic

TORAY INDUSTRIES INC

E41797 (M)

(B1A-cont. from B1 card)

UTN121	All	1.57	94110	06	06	06	—	—	—	—	—
U121		3.12	94110	06	06	05	—	—	—	—	—
Polyamide, Type 66 nylon (PA66), furnished in the form of pellets.											
* 3001-N	All	0.71	94V-2	106	—	—	4	0	1	—	—
3007		1.47	94V-2	106	75	06	4	0	0	—	—
		3.06	94V-2	106	75	06	3	0	0	0	0
UTN320	All	1.57	94110	06	05	06	—	—	—	—	—
U320		3.12	94HD	06	06	06	—	—	—	—	—
* 3004-VO	All	0.38	94V-0	—	—	—	—	—	—	—	—
		0.88	94V-0	130	—	—	4	0	0	—	—
		1.56	94V-0	130	—	—	3	0	0	—	—
		3.05	94V-0	130	—	—	2	0	0	0	0

Reports: August 14, 1981; June 11, 1973; August 14, 1981; April 15, 1976.

Replaces E41797B1A dated May 4, 1989.

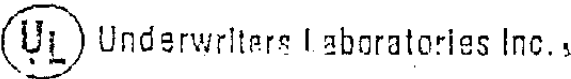
(Cont. on B2 card)

714089011 N2047 Underwriters Laboratories Inc.®

D11/0017755

REVISION	DESCRIPTION	DRAWING BY	CHEKED BY	APPROVAL
△		<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
△		<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

Northbrook, Illinois • (847) 272-8800
Metville, New York • (516) 271-6200
Santa Clara, California • (408) 385-2
Research Triangle Park,
North Carolina • (919) 549-1400
Camas, Washington • (360) 817-557



JOWLE TECHNOLOGY CO LTD
MR F H YANG
2 LANE 43 HUA CHEN RD
HSIN CHUAN CITY
TAIPEI HSIEN TAIWAN

Your most recent listing is shown below. Please review this information and report any inaccuracies to the UL Engineering staff member who handled your UL project.

EC8T2 August 5, 1997
Component - Connectors For Use In Data, Signal, Control And Power Applications

JOWLE TECHNOLOGY CO LTD E144544 (T)
2 LANE 43 HUA CHEN RD HSIN CHUAN CITY, TAIPEI HSIEN (A card)
TAIWAN

Connector, Cat. No. B3951H02 followed by 2P through 15P.
Models A2002, A2507 followed by H02 or WV2, followed by 2P through 15P.
Connector Series, Cat. Nos. C1581, C1582 followed by 01 through 05. Cat. Nos. D1021, D1022 followed by 09, 15, 17. Cat. No. D0761 followed by 15. Cat. Nos. A1961, A2361 followed by 02 through 06. Cat. Nos. A2501WV2, A1953, B2512 followed by 02 through 12. Cat. No. C2522 followed by 02 through 12. 12. Cat. Nos. A2001, A2502, A2505 followed by 02 through 15. Cat. Nos. B2011, B2513 followed by 02 through 16. Cat. Nos. A2501H02, A2503, A2504, A2543, A3961, C2521, C2523 followed by 02 through 20. Cat. No. A2003H02 followed by H X 0.1 through HX 20. Cat. No. A2000 followed by WR2, WV2, followed by 2 X 02 through 2 X 44. Cat. No. A2541 followed by H02, WR2, WV2, followed by H X 02 through H X 40. Cat. No. A2544 followed by 04. Cat. No. A3962 followed by 06. Cat. Nos. C5081, C5082, F6001 followed by 04.
Terminal Series, Cat. Nos. B1511, S1812.

Reports: June 5, 1995; August 11, 1997; February 19, 1993; February 17, 1993.

Replaces E144544A dated June 16, 1997. (Cont. on B card)
541653001 Underwriters Laboratories Inc.® D11/03/7965
200

For information on placing an order for UL Listing Cards in a 3 x 5 inch card format, please refer to the enclosed ordering information.

UNDERWRITERS LABORATORIES INC

A not-for-profit organization
dedicated to public safety
committed to quality service



The company named below has been authorized by Canadian Standards Association to represent the products listed in this record as "CSA Certified" or "CSA Accepted", as applicable, and to affix the CSA Mark to these products according to the terms and conditions of the CSA Service Agreement and applicable CSA program requirements (including additional Marking)

NUMBR 078619X0000 April 1, 1996 (Replaces: July 24, 1995)

CLASS 6233 01 (Re-examination Service)

JOWLE TECHNOLOGY CO., LTD.
No 3, Lane 43, Sy Yuan Rd.
Hsin Chuang
Taipei, Taiwan

78619

RECEPTACLES - Attachment Plug Type and Plugs

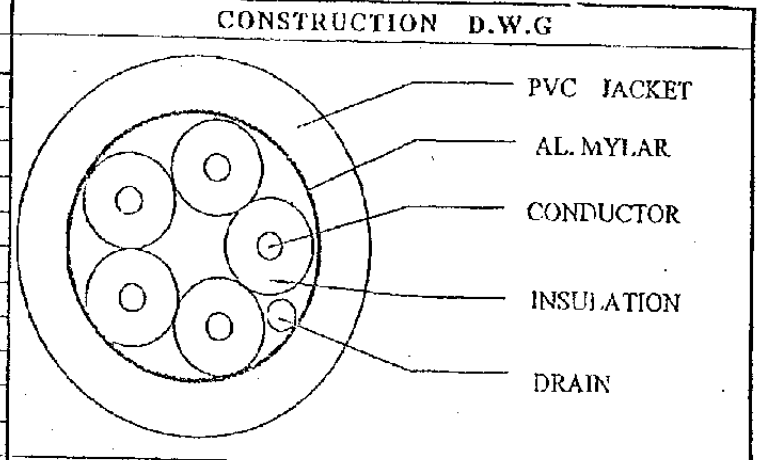
- Special-use connectors as follows:

Cat No	Rating	Intended Wire Size
		AWG
A1561	5A max, 250V	24-18
A2001	1A max, 100V	30-22
A2361	5A max, 250V	24-18
A2501	3A max, 250V	28-22
A2544	2A max, 250V	26-22
A3961	6A max, 250V	22-18
A3962	7A max, 250V	22-18
A3963	7A max, 250V	22-18
C1581	4A max, 250V	24-20
C1582	4A max, 250V	24-20
C5081	7A max, 250V	22-18
C5082	7A max, 250V	22-18
F6001	6A max, 250V	18
B2513HXX-XXX	2A, 250V	22-28
B2512HXX-XXX	2.5A, 250V	22-28
B2011HXX-XXX	1 A, 250V	24-30
A2502HXX-XXX	2A, 250V	20-24
A2502WXX-XXX	2A, 250V	N/A
B3951HXX-XXX	3A, 250V	16-22
A125HXX-XXX	1A, 100V	28-32
A1251-WXX-XXX	1A, 100V	N/A
A2547HXX-XXX	2.5A, 250V	26-28
C1301WXX-XXX	5A, 250V	20-26
C1302HXX-XXX	5A, 250V	20-26
C2521WXX-XXX	2A, 250V	22-28
C2522HXX-XXX	2A, 250V	22-28
C2523HXX-XXX	2A, 250V	22-28

(Cont'd)

SPECIFICATION: 5C*28AWG+DRAIN AL.MYLAR JUL2464

ITEM		SPECIFICATION
CONDUCTOR	AWG	28AWG
	MATERIAL	TINNED COPPER
	COND.SIZE	7/0.127 mm
INSULATION	MIN.AVG.THICK	0.23 mm
	MATERIAL	SR-PVC
	O.D	0.85 + 0.05 mm
	N.O.	5C
DRAIN	AWG	26AWG
	MATERIAL	TINNED COPPER
	SIZE	7/0.16 mm × 1PC
Face Inside AL.MYLAR	COVERAGE	100%
	OVERLAP	25% MIN
JACKET	MIN.AVG.THICK	0.76 mm
	MATERIAL	PVC
	COLOUR	BLACK (UL-B)
	O.D	5.00 ± 0.15 mm



COLOUR CODE:
 1.RED 2.YELLOW 3.GREEN 4.BLACK 5.LIGHT GREEN

MARKING
 E119932 5C AWM 2464 80°C 300V 28AWG VW-1.....
 C 5C AWM EHA 80°C 300V 28AWG FTI COPARTNER

REMARK

ELECTRICAL CHARACTERISTICS

1. Rating : TEMP 80 °C : VOLTAGE 300V
 2. Conductor Resistance: AT 20 °C MAX
 28AWG: 237.25Ω/km;

PHYSICAL PROPERTIES

	STYLE	INSULATION	JACKET
Tensile Strength	Unaged	MIN 3000PSI	MIN 1500PSI
	Aged	MIN 70%	MIN 70%
Elongation	Unaged	MIN 100%	MIN 100%
	Aged	MIN 65%	MIN 65%
Heat shock test		NO CRACKING	NO CRACKING
Cold bend test		NO CRACKING	NO CRACKING
Deformation test		MAX 50%	MAX 50%
Flame retardant test		PASS UL VW-1	PASS UL VW-1

© COPARTNER WIRE & CABLE (SHENZHEN) MFG CO., LTD.

PART NO.	64 - E05C28 - 008		
APPROVED		CUSTOMER	貿聯
CHECKED	<i>Lin Jianping</i>	REV	A / 0
DRAWING	<i>F.G.P</i>	DATE	98-06-13

偉祥塑膠五金廠

鳳崗鎮塘滘紅石橋新華工業城

TEL: (0769)7772092, (0755)8858102

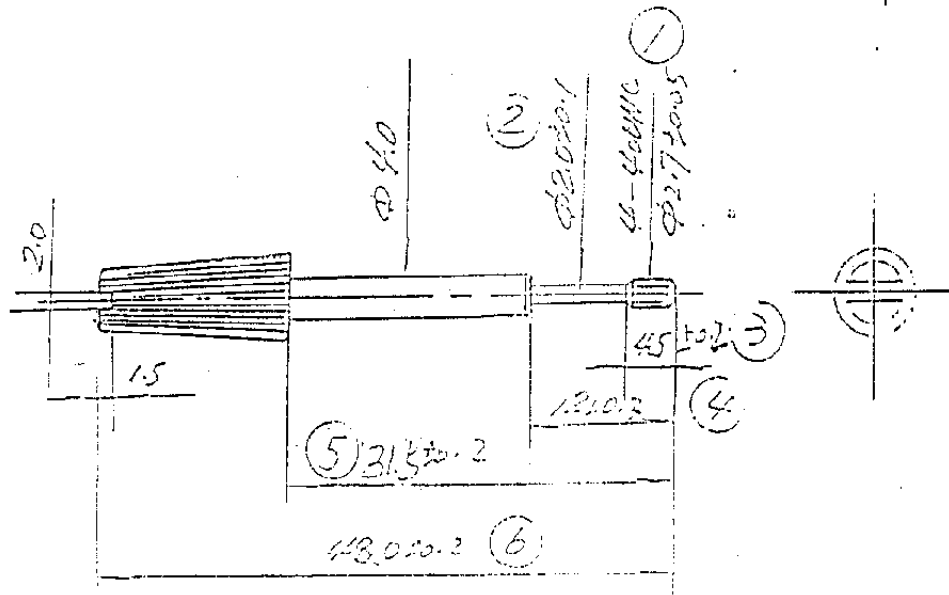
FAX: (0769)7772092

出貨檢驗單

日期: 2014年 3月 4日

客戶代號	銀聯	訂單號碼	湖嘉永成	客戶料號	
公司品名	N型螺絲	公司規格	M4 31.5	公司料號	
顏色	R2005	電鍍	銀	單位	NOI
出貨數量	20 PCS	抽樣數量	20 PCS	檢驗員	陳偉

略圖



序號	檢驗項目	檢驗結果	OK	NO
1	N014-40VNC	可 5N04-40VNC 螺絲 檢驗合格	✓	
2	$\phi 2.0 \pm 0.1$	$\phi 1.90 \sim 2.05$	✓	
3	4.5 ± 0.2	4.30 ~ 4.60	✓	
4	12.0 ± 0.3	11.96 ~ 12.26	✓	
5	31.5 ± 0.2	31.34 ~ 31.70	✓	
6	48.0 ± 0.2	47.92 ~ 48.2	✓	
7	電鍍	銀	✓	
8	材質	ABS	✓	
9	顏色	R2005	✓	
10				
備註		核准: [Signature]	綜合判定:	

快削鋼. 不銹快削鋼成份表

鋼種 Kind	記號 JIS	相當規格 AISI	化學成份 (Chemical Composition) %									
			C(碳)	Mn(錳)	P(磷)	S(硫)	Bi(鉍)	Si(矽)	Cu(銅)	Ni(鎳)	Cr(鉻)	Mo(鉬)
快削鋼	SUM11	1119	0.08-0.13	0.50-0.60	0.040以下	0.08-0.13	—					
	SUM12	1109	0.08-0.13	0.60-0.90	0.040以下	0.08-0.13	—					
	SUM21	1212	0.13以下	0.70-1.00	0.07-0.12	0.16-0.23	—	0.10以下				
	SUM22	1213	0.13以下	0.70-1.00	0.07-0.12	0.24-0.33	—	0.10以下				
	SUM23	1215	0.09以下	0.75-1.35	0.04-0.09	0.26-0.35	—	0.10以下				
	SUM31	1117	0.14-0.20	1.00-1.10	0.040以下	0.08-0.13	—	0.10以下				
	SUM32	—	0.12-0.20	0.60-1.60	0.040以下	0.10-0.20	—	0.10以下				
	SUM41	1137	0.32-0.39	1.35-1.65	0.040以下	0.08-0.13	—					
	SUM42	1141	0.37-0.45	1.35-1.65	0.040以下	0.08-0.13	—					
	SUM43	1144	0.40-0.48	1.35-1.65	0.040以下	0.24-0.33	—					
不銹快削鋼	SUM22L	—	0.13以下	0.70-1.00	0.07-0.12	0.24-0.33	0.10-0.35					
	SUM23L	—	0.09以下	0.75-1.05	0.04-0.09	0.26-0.35	0.10-0.35					
	SUM24L	12L 14	0.13以下	0.85-1.15	0.04-0.09	0.26-0.35	0.10-0.35	0.10以下				
	SUM31L	—	0.14-0.20	1.00-1.30	0.040以下	0.08-0.13	0.10-0.35					
	SUM43 CL	1045L	0.42-0.48	0.60-0.90	0.030以下	0.035以下	0.10-0.35	0.75-0.95	0.3以下	0.20以下	0.20以下	
不銹鋼	SUS 303	303	0.12以下	2.00以下	0.03以下	0.20以下		1.00以下		8.00-10.00	17.00-19.00	0.60以下
	SUS 304 (sc)	304sc	0.08以下	1.25以下	0.10以下	0.09以下		1.00以下	sc 0.10-0.30	8.00-12.00	18.00-20.00	0.10-0.5
	SUS 416	416	0.15以下	1.25以下	0.06以下	0.10以下	0.07以上	1.00以下	sc = 0.10級上		12.00-14.00	0.10-0.4
	SUS 430 (sc)	430sc	0.12以下	1.25以下	0.06以下	0.09以下		1.00以下	sc = 0.10-0.30		16.00-18.00	0.10-0.3

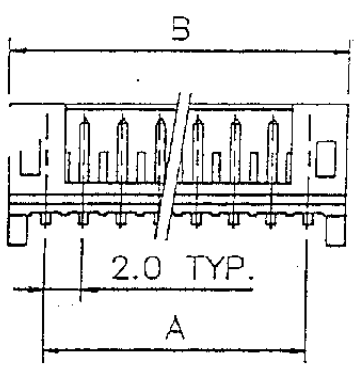
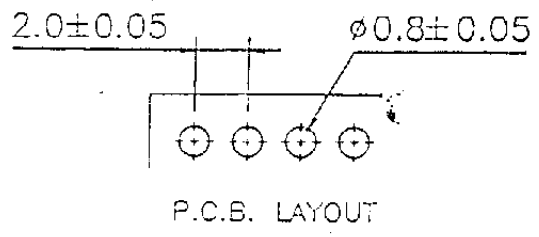


A2001 Series 2.0mm Wafer

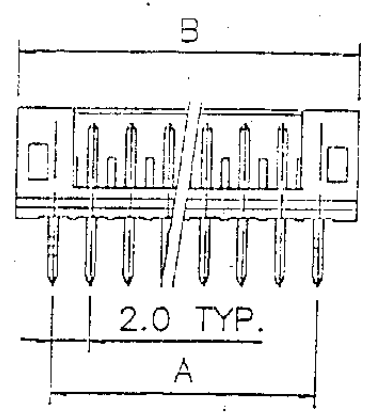
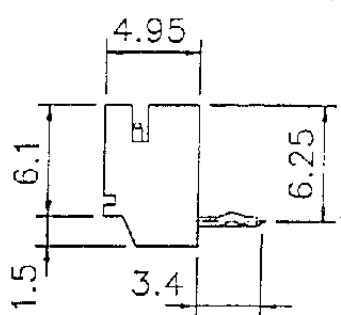
Features:

- * Available in 2 through 15 circuits
- * Nylon 66 UL94V-0
- * 0.50mm(.020") tin plated square pin
- * Mate with A2001H02 series socket

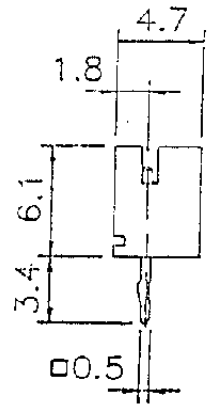
unit:mm



Right Angle (R-TYPE)



Straight Angle (V-TYPE)



Dimensional & Ordering Information:

Circuits	Part No.		Dimension mm	
	Straight Angle	Right Angle	A	B
2	A2001WV2-2P	A2001WR2-2P	2.00	6.00
3	A2001WV2-3P	A2001WR2-3P	4.00	8.00
4	A2001WV2-4P	A2001WR2-4P	6.00	10.00
5	A2001WV2-5P	A2001WR2-5P	8.00	12.00
6	A2001WV2-6P	A2001WR2-6P	10.00	14.00
7	A2001WV2-7P	A2001WR2-7P	12.00	16.00
8	A2001WV2-8P	A2001WR2-8P	14.00	18.00
9	A2001WV2-9P	A2001WR2-9P	16.00	20.00
10	A2001WV2-10P	A2001WR2-10P	18.00	22.00
11	A2001WV2-11P	A2001WR2-11P	20.00	24.00
12	A2001WV2-12P	A2001WR2-12P	22.00	26.00
13	A2001WV2-13P	A2001WR2-13P	24.00	28.00
14	A2001WV2-14P	A2001WR2-14P	26.00	30.00
15	A2001WV2-15P	A2001WR2-15P	28.00	32.00



Underwriters Laboratories Inc.

100
2500 N. Lake Road
Farmingdale, NY 11735
(516) 336-5500
FAX: (516) 336-5500

September 2, 1997

Luen Hung Fat Industries Ltd
7th Fl, Flat E
Wa Hing Industrial Mansions
San Po Kong, 36 Tai Yau St
Kowloon Hong Kong



Attention: Andrew Mak

IMPORTANT INFORMATION ON UL LABELING - PLEASE SAVE

Reference: File No.: E187349 Project No.: 97CA02208
Type R Service

Subject: Recognition and Follow-Up Service for PVC Resin, all colors
1.6 mm and 3.2 mm CCN - QMFZ2

Dear Mr. Mak:

Recently UL received an application for Recognition of the subject product.

Upon successful completion of the investigation, this product will be covered under our Follow-Up Services factory inspection program. You will be expected to maintain control of the fabrication of those products intended to bear the Recognized Marking in such a manner that compliance with our requirements will be maintained. A representative of UL will periodically make unannounced visits to your factory to conduct examinations and/or tests of the product to assure compliance.

The cost of the Follow-Up Services as stated below consists of a Graduated Annual Maintenance fee per year for each factory and will be invoiced on a yearly basis.

- => \$ 545 for one file
- => \$ 700 for two files
- => \$ 855 for three files
- => \$1010 for four files
- => \$1165 for five or more files

In addition there will be a Task Fee of \$270.00 per CCN, per factory for conducting the follow-up examinations at the factory and a charge for any tests required to be conducted at one of our laboratories.

For and on behalf of
LUEN HUNG FAT INDUSTRIES LIMITED

A non-profit organization
dedicated to public safety
committed to quality service

.....
Authorized Signature(s)

333 Princeton Road
Northbrook, Illinois 60062
(847) 272-8000
FAX: (847) 272-5122
MCI Mail No. 281 3343
Telex No. 6508543343



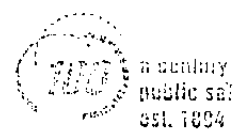
Underwriters Laboratories Inc.

File E186801

Vol 1

Issued 07/15/97
Revised

FOLLOW-UP SERVICE PROCEDURE
(TYPE L)



COMPONENT - WIRING HARNESSSES
(ZFHW, ZFWB)

Manufacturer: BIZLINK CHINA INC
(372548-001) FENG HUANG INDUSTRIAL PARK
FU YUNG JENN
SHENZHEN GUANGDONG CHINA

Applicant: BIZLINK INTERNATIONAL CORP
(360601-001) 300 CHUNG SAN RD
YING-KO
TAIPEI TAIWAN

Recognized Company: SAME AS APPLICANT
(360601-001)

This Procedure authorizes the above Manufacturer to use the marking specified by Underwriters Laboratories Inc. only on products covered by this Procedure, in accordance with the applicable Follow-Up Service Agreement.

The prescribed Mark or Marking shall be used only at the above manufacturing location on such products which comply with this Procedure and any other applicable requirements.

The Procedure contains information for the use of the above named Manufacturer and representatives of Underwriters Laboratories Inc. and is not to be used for any other purpose. It is lent to the Manufacturer with the understanding that it is not to be copied, either wholly or in part, and that it will be returned to Underwriters Laboratories Inc. upon request.

This PROCEDURE, and any subsequent revisions, is the property of UNDERWRITERS LABORATORIES INC. and is not transferable.

UNDERWRITERS LABORATORIES INC.

S. Joe Bhatia
Vice President, Follow-Up Services

Underwriters Laboratories Inc.
333 Princeton Road
Northbrook, Illinois 60062



18
PROFILE C
CERTIFICATION REPORT

NUMBR E10530X1111

FILE NO: LR 110530

SUBMITTOR

BizLink International Corp.
7F-4, No 191, Sec 2, Chung-Yang Rd.
Tu-Cheng City, Taipei Hsien
Taiwan
Attention: Ms. Lauren Chan, Manager
Telephone: (886) 2-262-1050
Fax: (886) 2-274-4973

Page No: CRP 1 of 1
Date: August 14, 1997
Replaces:
Main File: Pacific Region

FACTORY

BizLink China Inc.
1st Floor Huang Industrial Park
Fu Yung Jenn
Shen Zhen City
Guang Dong Province, China

INSPECTION OFFICE

CCIC

FILE NO

LR 110530

REPORT NO-APPL. NO

SUBJECT

August 14, 1997 Wiring harnesses made up of components assembled in accordance with the component manufacturer's instructions. Harnesses within this certification may be made up of the following termination methods and components:

- discrete wires No 30 to No 10 AWG
- flexible cord or cable No 30 to No 10 AWG
- flat ribbon cable
- crimp-on connections
- soldered connections
- insulation displacement connections
- single and multi-contact connectors
- connectors encased by overmoulding (for ELV Class 2 Circuits only)
- sleeving and wraps

PART A: All components are CSA certified unless otherwise specified in this report.

PART B: Harness for use in Extra-Low-Voltage (ELV) Class 2 Circuits only.
