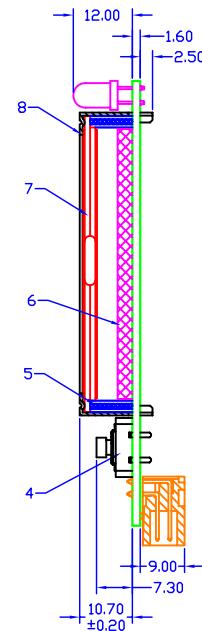


REV.	DESCRIPTION	BY	DATE
-	RELEASED	M.L	08/06/04
A	ECO#041114	M.L	11/23/04
B	ECO#050102	M.L	01/12/05



NOTES:

1. ALL DIMENSIONS IN mm.
2. LCD TYPE: HTN/POSITIVE.
3. POLARIZER: TRANSFLECTIVE.
4. VIEWING DIRECTION: 12:00.
5. DRIVE METHOD: 1/8 DUTY; 1/4 BIAS.
6. OPERATING TEMPERATURE: -20°C TO +70°C.
7. STORAGE TEMPERATURE: -30°C TO +80°C.
8. CONNECTOR: ZEBRA.
9. CONTROL IC: HT1623

11	4502LED-013	YELLOW LED	3	Ø5	CUSTOMER NO. 1831
10	4502LED-012	GREEN LED	2	Ø5	CUSTOMER NO. 1821
9	4502LED-011	RED LED	3	Ø5	CUSTOMER NO. 1811
8	4502BZL	BEZEL	1	COLD ROLLED STEEL	
7	4502LCD	LCD DISPLAY	1	HTN	
6	4502LED	BACKLIGHT	1	EDGE BACKLIGHT	
5	4502ZBR	ZEBRA	2		
4	4502SWT	SWITCH	7		
3		FEMALE CONNECTOR J1	1	Molex ref:39-51-3143(14pin)	Top contact style,ZIF
2		FEMALE CONNECTOR JP1	1	Molex ref:39-26-7268(26pin)	PITCH 2.54
1	4502PCB	PCB ASSEMBLY	1	FR4	2 LAYERS BOARD
Item	Drawing NO.	Name	QTY.	Spec/Material	Notes

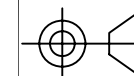
TOLERANCE		
>0~6	±0.10	>120~300 ±0.50
>6~30	±0.20	>300~500 ±0.80
>30~120	±0.30	>500 ±1.20
// ⊥ ◎ ±0.10; ANGLE: ±3.0°		

REV: B	
SHEET: 1 OF 2	
SCALE: N.T.S.	UNITS MM
APPROVALS	
DWN	Maggie Jan-12
CHK	
APP	



广州市龙宇电子有限公司
Kingtronics Display Technologies Ltd., Co.

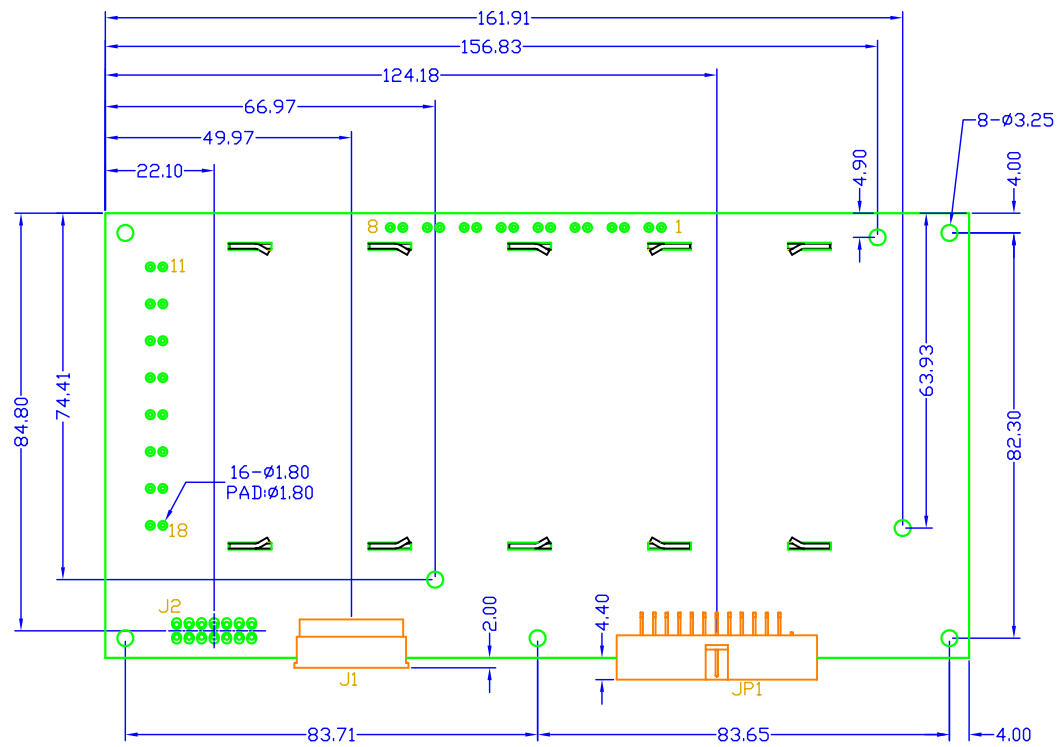
DRAWING NO:
4502MOD



MODEL NUMBER :
KC4502
DATE:
12-Jan-2005

DO NOT SCALE THIS DRAWING. PROJECTION

REV.	DESCRIPTION	BY	DATE
-	RELEASED	M.L	08/06/04
A	ECO#041114	M.L	11/23/04
B	ECO#050102	M.L	01/12/05



Description Of Terminals: JP1

PIN ASSIGNMENT		
PIN#	SYMBOL	FUNCTION
1	NC	-
2	GND	GND(OV)
3	POWER_ON	System On/Off Key Pressed
4	K_IN0	Keyboard line input 0
5	K_IN1	Keyboard line input 1
6	K_IN2	Keyboard line input 2
7	K_IN3	Keyboard line input 3
8	KB_OUT0	Keyboard line output 0
9	KB_OUT1	Keyboard line output 1
10	KB_OUT2	Keyboard line output 2
11	KB_OUT3	Keyboard line output 3
12	KB_OUT4	Keyboard line output 4
13	KB_OUT5	Keyboard line output 5
14	KB_OUT6	Keyboard line output 6
15	Vcc	Vcc (+5.0V)
16	KB_OUT7	Keyboard line output 7
17	SI_STROBE	Chip selection input with pull-high resistor
18	SI_CLOCK	WRITE clock input with pull-high resistor
19	SI_DATA	Serial data input/output with pull-high resistor
20	NC	-
21	NC	-
22	NC	-
23	NC	-
24	NC	-
25	BKLIGHT	Power supply for BKL(GND)
26	CS2_0	Chip selection for IC

Description Of Terminals: J1

PIN ASSIGNMENT		
PIN#	SYMBOL	FUNCTION
1	POWER_ON	System On/Off Key Pressed
2	GND	GND(OV)
3	KB_OUT0	Keyboard line output 0
4	KB_OUT1	Keyboard line output 1
5	KB_OUT2	Keyboard line output 2
6	KB_OUT3	Keyboard line output 3
7	K_IN0	Keyboard line input 0
8	K_IN1	Keyboard line input 1
9	K_IN2	Keyboard line input 2
10	K_IN3	Keyboard line input 3
11	KB_OUT4	Keyboard line output 4
12	KB_OUT5	Keyboard line output 5
13	KB_OUT6	Keyboard line output 6
14	KB_OUT7	Keyboard line output 7

Description Of Terminals: J2

PIN ASSIGNMENT		
PIN#	SYMBOL	FUNCTION
1	POWER_ON	System On/Off Key Pressed
2	GND	GND(OV)
3	KB_OUT0	Keyboard line output 0
4	KB_OUT1	Keyboard line output 1
5	KB_OUT2	Keyboard line output 2
6	KB_OUT3	Keyboard line output 3
7	K_IN0	Keyboard line input 0
8	K_IN1	Keyboard line input 1
9	K_IN2	Keyboard line input 2
10	K_IN3	Keyboard line input 3
11	KB_OUT4	Keyboard line output 4
12	KB_OUT5	Keyboard line output 5
13	KB_OUT6	Keyboard line output 6
14	KB_OUT7	Keyboard line output 7

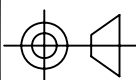
TOLERANCE			
>0~6	±0.10	>120~300	±0.50
>6~30	±0.20	>300~500	±0.80
>30~120	±0.30	>500	±1.20
// ⊥ ◎ ±0.10; ANGLE: ±3.0°			

REV: B	
SHEET: 2 OF 2	
SCALE: N.T.S.	UNITS: MM
APPROVALS	
DWN	Maggie Jan-12
CHK	
APP	



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DRAWING NO:
4502MOD



MODEL NUMBER :
KC4502
DATE:
12-Jan-2005

DO NOT SCALE THIS DRAWING. PROJECTION