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REVISIONS

NO.	DATE	BY	DESCRIPTION
1	01/06/18	A.CH	NEW RELEASE

PINS ASSIGNMENT		
NO.	SYMBOL	DESCRIPTION
1	VSS	GROUND
2	VDD	POWER SUPPLY FOR LOGIC AND LCD
3	V0	OPERATING VOLTAGE FOR LCD
4	/WR	DATA WRITE
5	/RD	DATA READ
6	/CS	CHIP SELECT
7	A0	DATA TYPE SELECT
8	/RST	RESET T6963C (LOW EFFECTIVE)
9-16	DB0-DB7	DATA BUS
17	NC	NO CONNECT
18	VEE	NEGATIVE VOLTAGE INPUT/OUTPUT
19	VFL1	POWER SUPPLY FOR CCFL
20	NC	NO CONNECT
21	VFL2	POWER SUPPLY FOR CCFL

ABSOLUTE MAXIMUM RATING				
ITEM	SYMBOL	MIN	MAX	UNIT
POWER SUPPLY (LOGIC)	VDD-VSS	-0.3	7.0	V
POWER SUPPLY (LCD DRV.)	VDD-V0	-0.3	30.0	V
INPUT VOLTAGE	VI	-0.5	VDD	V

ELECTRICAL CHARACTERISTICS					
ITEM	SYMBOL	MIN	TYP	MAX	UNIT
VOLTAGE FOR LOGIC	VDD-VSS	4.75	5.0	5.25	V
SUPPLY CURRENT	IDD	-	11.9	20	mA
LCD OPERATING VOLTAGE	0C	24.3	25.5	26.7	V
	25C	23.7	24.9	26.1	V
	40C	23.1	24.3	25.5	V
INPUT VOLTAGE	H VIH	2.0	-	VDD	V
	L VIL	0	-	0.8	V

MECHANICAL SPECIFICATIONS		
ITEM	SPECIFICATION	UNIT
OVERALL SIZE	139.0W x 120.0H x 13.2T	MM
VIEWING AREA	103.0W x 79.0H	MM
DOT NUMBER	320x 240	DOTS
DOT SIZE	0.27W x 0.27H	MM
DOT PITCH	0.30W x 0.30H	MM

OPTIONS
1. LCD TYPE: B/W FSTN; Y/G STN
2. BACKLIGHT: WITHOUT BACKLIGHT; EL; CCFL
3. COLOR OF BACKLIGHT: Y/G; BLUE; WHITE
4. TEMPERATURE RANGE: NORMAL (0-50C)
5. POWER SUPPLY: ON BOARD DC/DC (SINGLE 5.0V);
6. VIEWING ANGLE: 6H;

