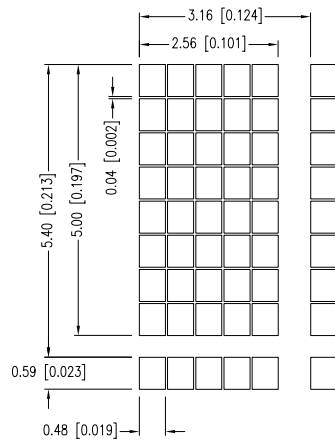
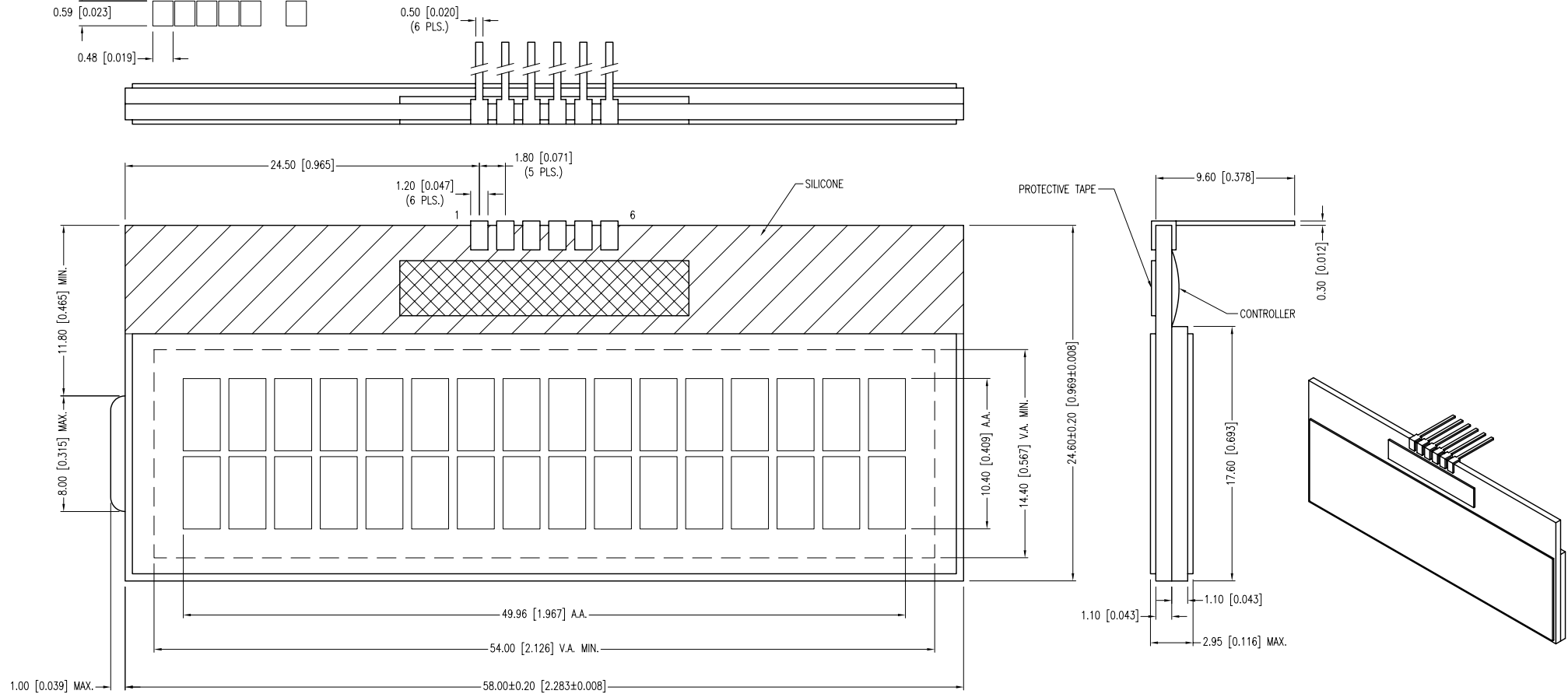


CHARACTER DETAIL



CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.



UNCONTROLLED DOCUMENT

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN.= +DECIMAL PRECISION MAX.= +DECIMAL PRECISION -0.00



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
FAX: +1.847.359.6538
WEB: WWW.LUMEX.COM
MEMBER OF ITW PHOTONICS GROUP

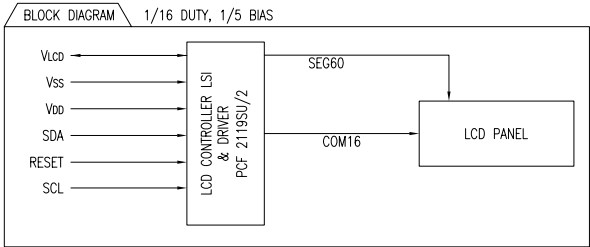
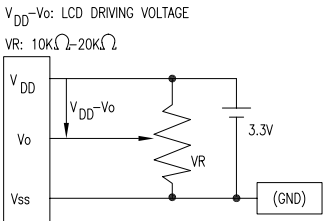
16x2 LCD MODULE 5mm CHAR HEIGHT, 5x8 DOT MATRIX, STN YELLOW, TRANSLUCTIVE, IIC ADDRESS SERIAL.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

CONFIDENTIAL INFORMATION
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL
KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

DATE:	04.24.12	DRAWN BY:	AB
PAGE:	1 OF 2	CHKD BY:	DT
SCALE:	NTS	APRVD BY:	DT
UNIT:	mm [INCH]		Ⓟ

PIN CONFIGURATION			
PIN NO.	SYMBOL	LEVEL	FUNCTION
1	SCL	H/L	IIC SERIAL CLOCK INPUT
2	RESET	H	RESET INPUT
3	SDA	H/L	IIC BUS SERIAL DATA I/O
4	V _{DD}	3.0V	POWER SUPPLY VOLTAGE
5	V _{SS}	0V	POWER SUPPLY GROUND
6	V _{LCD}	H	LCD DRIVER SUPPLY VOLTAGE



ELECTRICAL CHARACTERISTICS		VDD=2.7V to 4.5V, Ta=25°C				
ITEM	SYMBOL	CONDITION	STANDARD VALUE			UNIT
			MIN	TYP	MAX	
SUPPLY VOLTAGE FOR LOGIC	VDD-VSS	—	2.4	3.0	3.6	V
SUPPLY CURRENT FOR LOGIC	IDD	VDD=3V	—	0.7	1.0	mA
INPUT VOLTAGE	HIGH	VIH	H LEVEL	0.8 VDD	VDD	V
	LOW	VIL	L LEVEL	VSS	0.2VDD	V
LCD MODULE DRIVING VOLTAGE	VDD-Vo	Ta=25°C	4.0	4.4	5.0	V

ABSOLUTE MAXIMUM RATINGS					
ITEM	SYMBOL	TEST CONDITION	STANDARD VALUE		UNIT
			MIN	MAX	
SUPPLY VOLTAGE FOR LOGIC	V _{DD} -V _{SS}	T _a =25°C	-0.5	6.5	V
SUPPLY VOLTAGE FOR LCD DRIVE	V _{DD} -V _o	T _a =25°C	-0.5	7.5	V
INPUT VOLTAGE	V _I	T _a =25°C	-0.5	V _{DD} +0.5	V
OPERATING TEMPERATURE	T _{opr}	LCM-H	0	50	°C
STORAGE TEMPERATURE	T _{stg}	LCM-H	-20	70	°C

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN.= +^{DECIMAL PRECISION}0.00 MAX.= -^{DECIMAL PRECISION}0.00



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
FAX: +1.847.359.6538
WEB: WWW.LUMEX.COM
MEMBER OF ITW PHOTONICS GROUP

16x2 LCD MODULE 5mm CHAR HEIGHT, 5x8 DOT MATRIX, STN YELLOW, TRANSFLECTIVE, IIC ADDRESS SERIAL.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

CONFIDENTIAL INFORMATION
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

DATE:	04.24.12	DRAWN BY:	AB
PAGE:	2 OF 2	CHKD BY:	DT
SCALE:	NTS	APRVD BY:	DT
UNIT:	mm [INCH]		Ⓟ