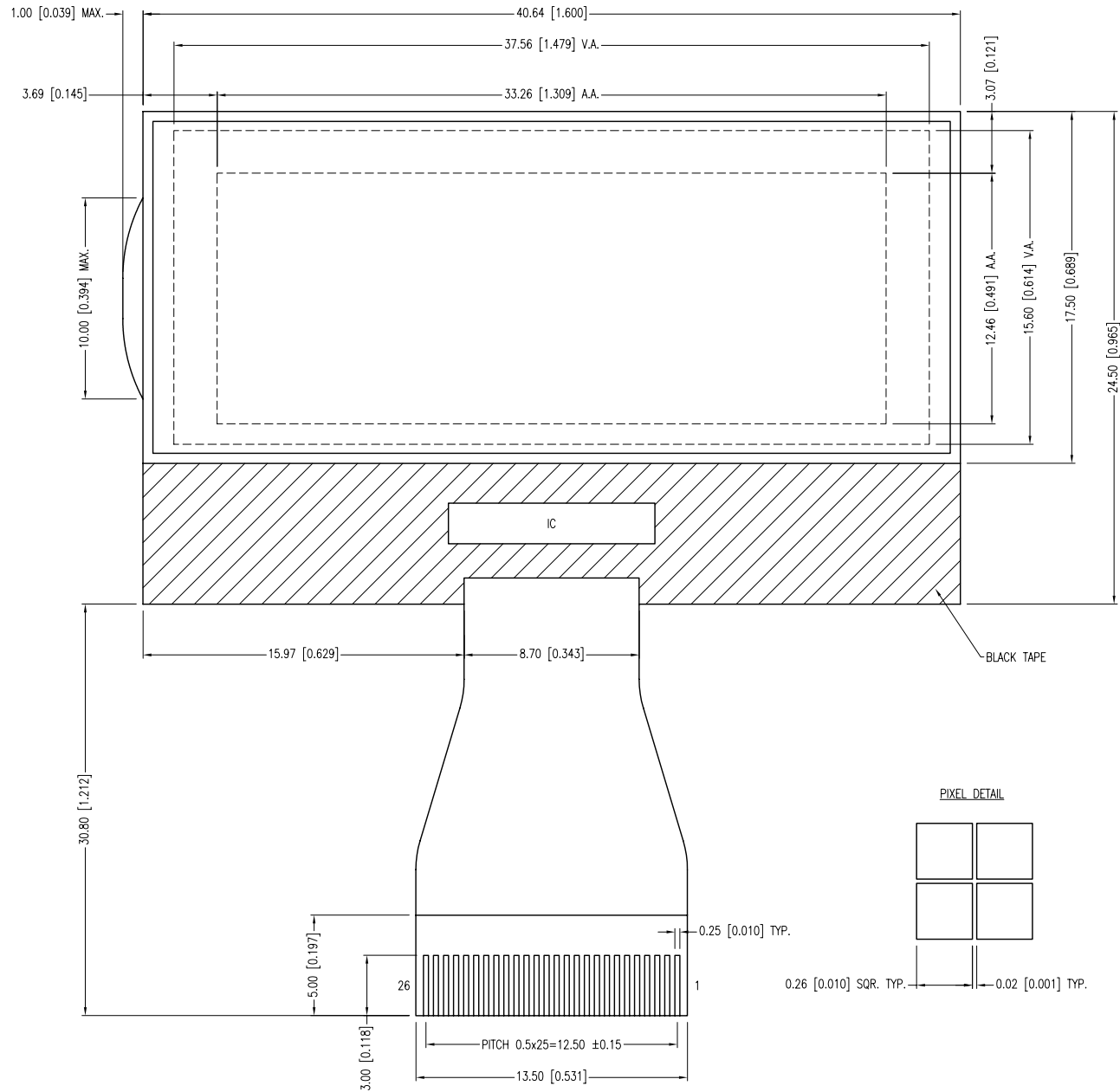
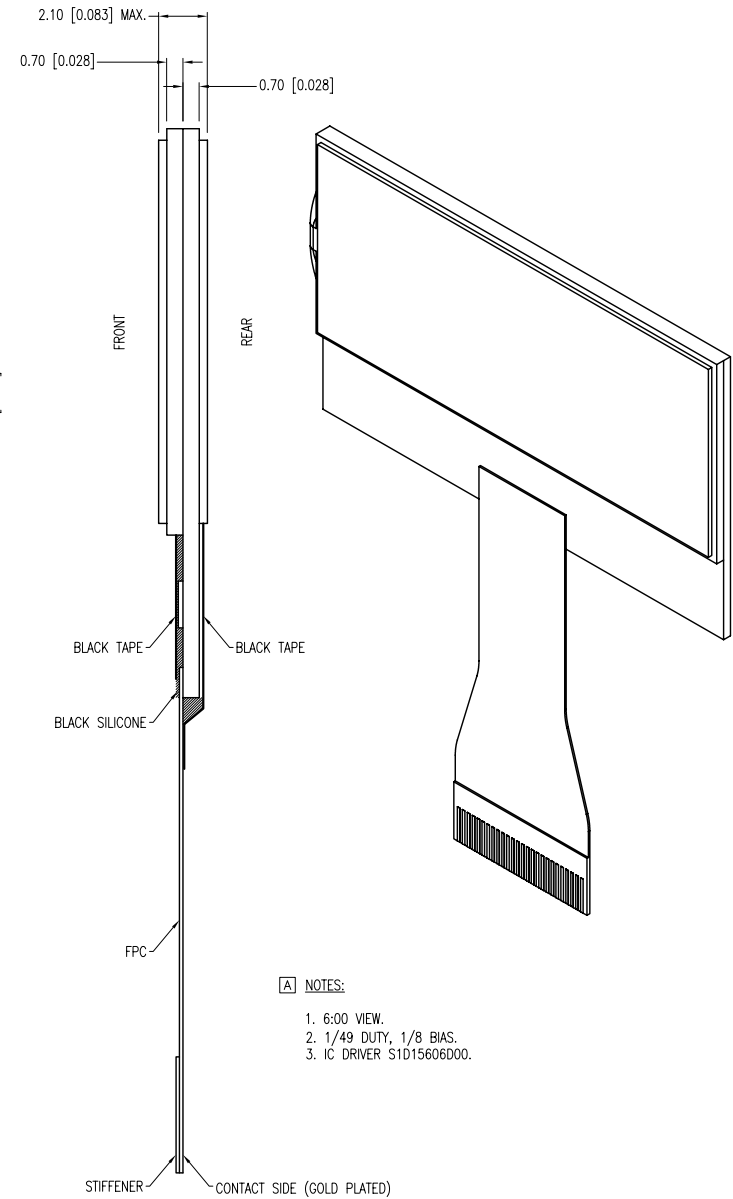
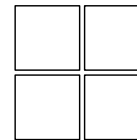


PART NUMBER	LCM-U12848GWF	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
10.03.11	E.C.N. #11758.		A



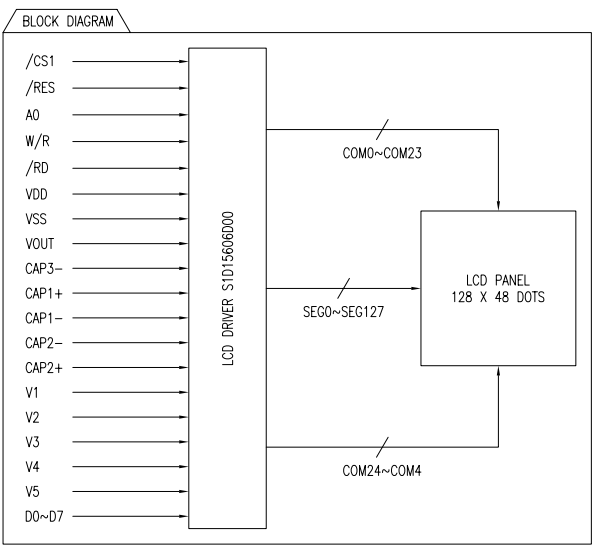
PIXEL DETAIL



[A] NOTES:

- 6:00 VIEW.
- 1/49 DUTY, 1/8 BIAS.
- IC DRIVER S1D15606D00.

 290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 FAX: +1.847.359.6538 WEB: WWW.LUMEX.COM	128x48 GRAPHIC LCD MODULE, FSTN GRAY, TRANSFLECTIVE, 6:00 VIEW.	DATE: 09.01.11	DRAWN BY: AB
	THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.	PAGE: 1 OF 2	CHKD BY: SS
	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.	SCALE: NTS	APRVD BY: JD
		UNIT: mm [INCH]	Ⓢ



ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	TEST CONDITION	STANDARD VALUE		UNIT
			MIN	MAX	
SUPPLY VOLTAGE FOR LOGIC	VDD	Ta=25°C	-0.3	7.0	V
INPUT VOLTAGE	VIN	Ta=25°C	-0.3	VDD+0.3	V
OUTPUT VOLTAGE	VO	Ta=25°C	-0.3	VDD+0.3	V
OPERATING TEMPERATURE	Topr	-	-30	+85	°C
STORAGE TEMPERATURE	Tstg	-	-40	+90	°C

ELECTRICAL CHARACTERISTICS

VDD=4.7V to 5.3V, Ta=25°C

ITEM	SYMBOL	CONDITION	STANDARD VALUE			UNIT
			MIN	TYP	MAX	
SUPPLY VOLTAGE FOR LOGIC	VDD-VSS	-	4.7	5.0	5.3	V
SUPPLY VOLTAGE FOR LCD DRIVE	VDD-VO	VDD=5V	8.5	8.8	9.1	V
SUPPLY CURRENT FOR LOGIC	IDD	VDD=5V	-	TBD	-	mA

PIN CONFIGURATION

PIN NO.	NAME	DESCRIPTION
1	/CS1	CHIP SELECT
2	/RES	RESET
3	A0	DATA/COMMAND
4	W/R	READ/WRITE
5	RD	--
6~13	D0~D7	DISPLAY DATA SIGNAL
14	VDD	POWER SUPPLY
15	VSS	GND
16	VOUT	AC/DC VOLTAGE CONVERTER, CONNECT A CAPACITOR BETWEEN THIS TERMINAL AND VSS2
17	CAP3-	CAPACITOR 3 NEGATIVE FOR VOLTAGE CONVERTER
18	CAP1+	CAPACITOR 1 POSITIVE FOR VOLTAGE CONVERTER
19	CAP1-	CAPACITOR 1 NEGATIVE FOR VOLTAGE CONVERTER
20	CAP2-	CAPACITOR 2 NEGATIVE FOR VOLTAGE CONVERTER
21	CAP2+	CAPACITOR 2 POSITIVE FOR VOLTAGE CONVERTER
22	V1	CONNECTION PIN FOR BIAS VOLTAGE
23	V2	CONNECTION PIN FOR BIAS VOLTAGE
24	V3	CONNECTION PIN FOR BIAS VOLTAGE
25	V4	CONNECTION PIN FOR BIAS VOLTAGE
26	V5	CONNECTION PIN FOR BIAS VOLTAGE