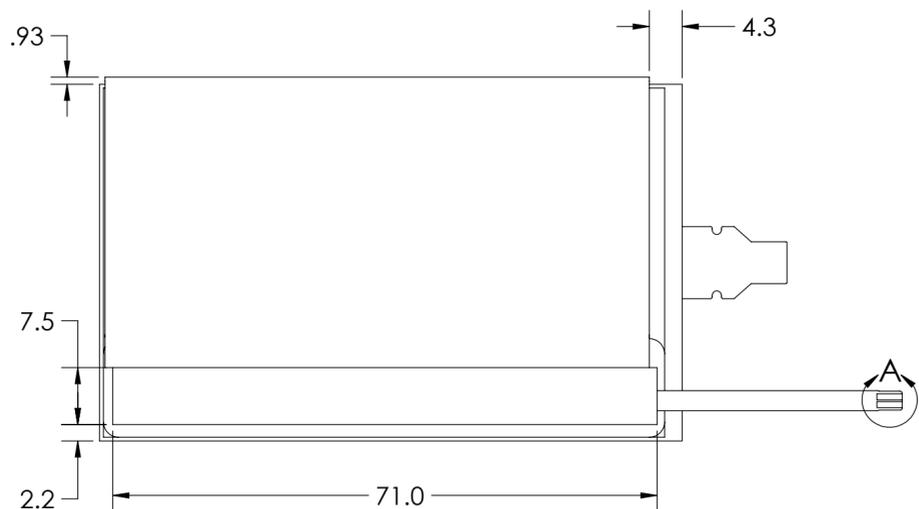
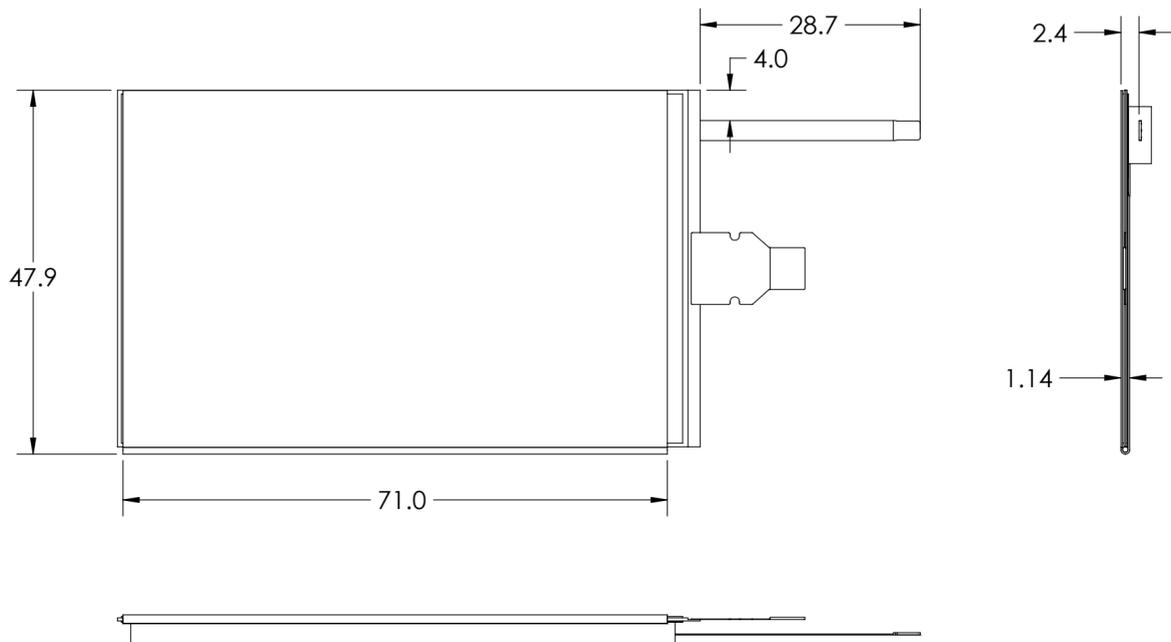
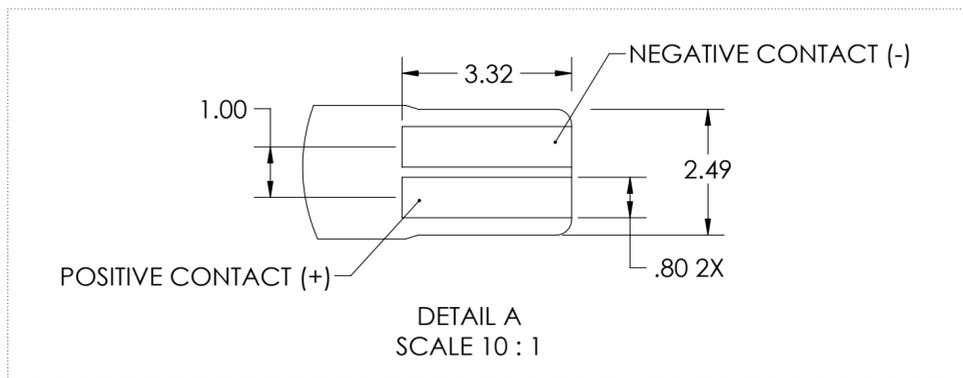


NO	PART NUMBER	NAME	REV
1	12278-01	Display, 3.16", Sharp LS032B7DD02	T1
2	12830-01	Film Assembly, 3.16" Sharp FLP	T1

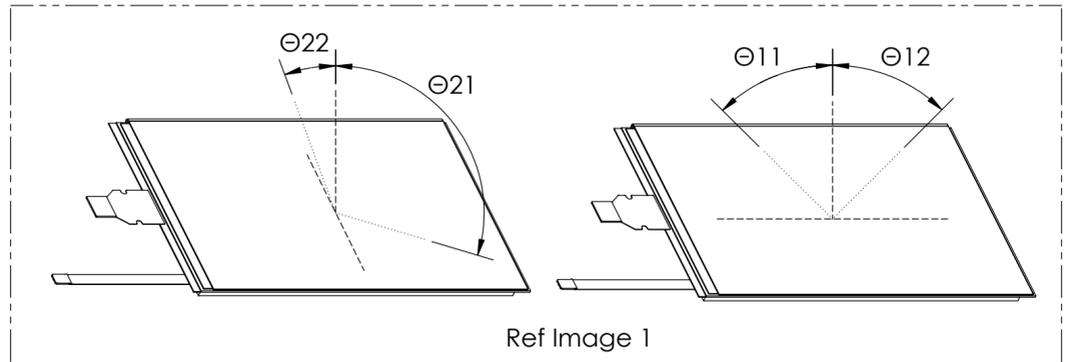


PRELIMINARY



REV	DESCRIPTION	ECN	BY	APPR.	DATE
T1	PRELIMINARY RELEASE	1670	NE	MC	02/07/2019

Lighting and Optical Performance			
Measurement	Details	Unit	Specification
Brightness	Refer to definitions ¹	cd/m ² (nit)	TBD
Uniformity	Refer to definitions ¹	%	TBD
Viewing Angle	Θ11 (Ref Image 1)	° (degree)	TBD
Viewing Angle	Θ12	° (degree)	TBD
Viewing Angle	Θ21	° (degree)	TBD
Viewing Angle	Θ22	° (degree)	TBD
Contrast Ratio	Reflection intensity white display Reflection intensity black display	ratio	TBD



Electrical Specifications				
Item	Symbol	Typical	Absolute Max	Unit
Forward Current	I _F	60	TBD	mA
Pulse Forward Current	I _{FP}	--	200	mA
Forward Voltage	V _R	2.95	--	V

Cosmetic Performance		
Defect	Details	Specification
Point defect (unlit)	Pinpoint, foreign matter, bubble	No defects visible to the naked eye at inspection conditions ¹
Area defect (unlit)	Ripple, smudge, striation	No defects visible to the naked eye at inspection conditions ¹
Point defect (illuminated)	Pinpoint, foreign matter, bubble	No defects visible to the naked eye at inspection conditions ¹
Area defect (illuminated)	Ripple, smudge, striation	No defects visible to the naked eye at inspection conditions ¹

NOTES:

- ¹ Refer to FLEx Lighting document 12536-01 for FLP inspection conditions and definitions.
- Refer to FLEx Lighting document TBD for definitions of defects and QC procedure
- Refer to Sharp specification LD-27102A for technical details on Sharp LS032B7DD02 LCD display.

PROPRIETARY AND CONFIDENTIAL		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS		 PART NAME Sharp 3.16" FLP	
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DRAWN BY: NE		DATE: 03/11/2019		PART NUMBER: 12936	
DESIGN BY: NE		DATE: 03/11/2019		PROJECT NUMBER: 14.001	
				VERSION: 01	
				REVISION: T1	
				SCALE: 3:2	
				SHEET 1 OF 1	