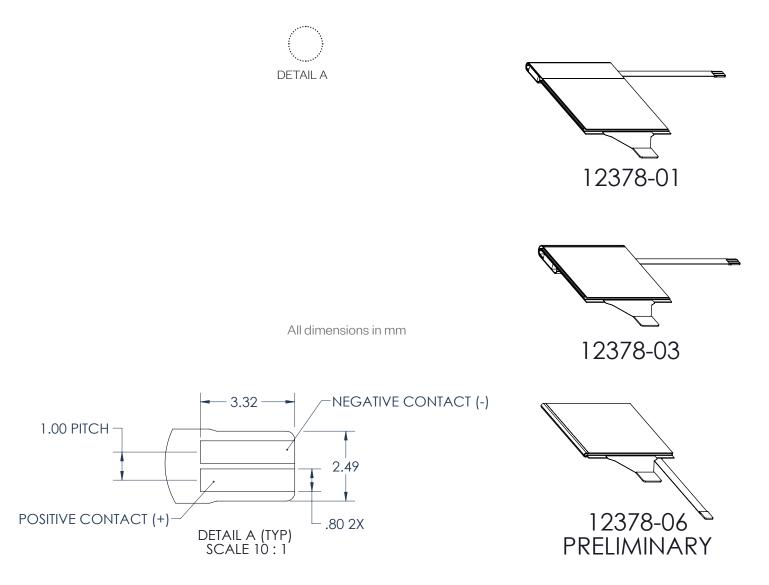
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- One low-power LED (included in Front Light)
- Over **80x less power** compared to traditional backlighting
- 0.05 mm thick FLEx film is over **5x thinner** than alternative lightguides
- Simple I/F and Connectivity to System Board



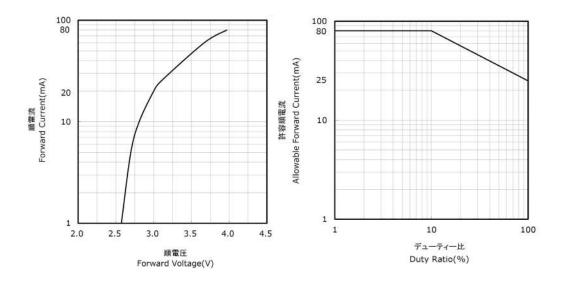


1.28" (Color) Front Light Panel

12378-xx | Product Data Sheet | 2020

Electrical

ltem	Symbol	Typical	Absolute Max	Unit
Forward Current	I _F	5	25	mA
Pulse Forward Current	l _{FP}		80	mA
Reverse Voltage	V _R		5	V



For more information: web flexlighting.com

FLEX

CONTACT <u>flexlighting.com/contact</u> Phone 773-295-0305

Example ZIF Connectors:

- Molex 503480-0400
- Molex 52745-0497
- Molex 54550-0471
- Molex 54548-0471 (bottom)
- Molex 505110-0492

Optical

*

- 						_			
	1.28" JDI + Front Light (12378-xx)					Brightness vs. Power			
lte	em	Symbol	TYP.	Unit	Remark	60		Low power breakout	
Viewing Angle CR >2	V	Θ 11 Θ 12	60 30	° (Degree)	Remark 1]	50 cpc,f, 1, 1, 1, 2, 2, 2, 3, 4, 1, 1, 2, 2, 1, 2, 3, 4, 1, 1, 1, 1, 2, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,			
		Θ 21 Θ 22 ª	65 65	° (Degree)					
Contrast	Refler 1	a and Capitos http://CR p duitenne* c duitenne* to duitenne*		Rowitsen	Remark 2]	0 5 See the neuron beaching	10 15 20 25 Current (mA)	Current(mA)	
Viewing Angle B12 No Gapped Viewing Angle B31 No Gapped Viewing Angle B32 No Gapped Remark 1: Viewing Angle Remark 2: Definition of Contrast Ratio									
Cor Ref Image 1					entro at Datia (OD) -	Reflection intensity in white display			
					ntrast Ratio (CR) =	Reflection intensity in black display			
Reno Forward Can Pulse Forward 9 Forward Vol	Print Current Inge	44 77	ofts takel	Twitt a Mir oli	T T		e express written consent of FLEx. The applicatio		
Bellect	Commolio Performance on the specification of the sp								