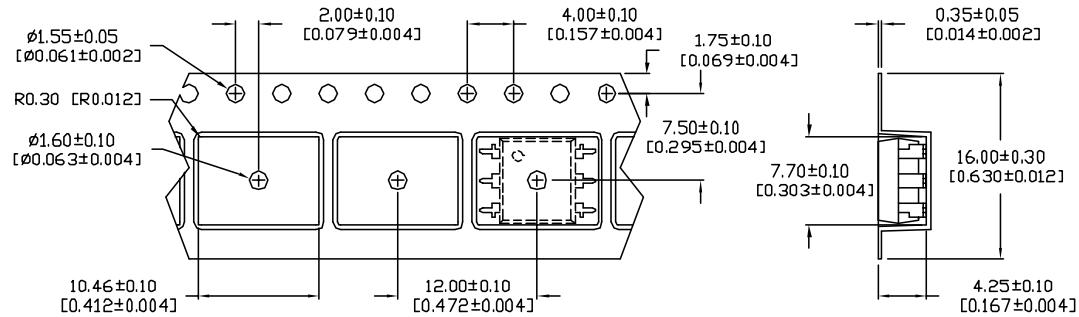
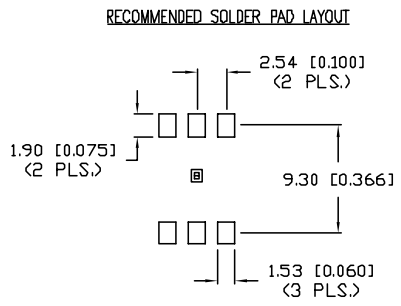
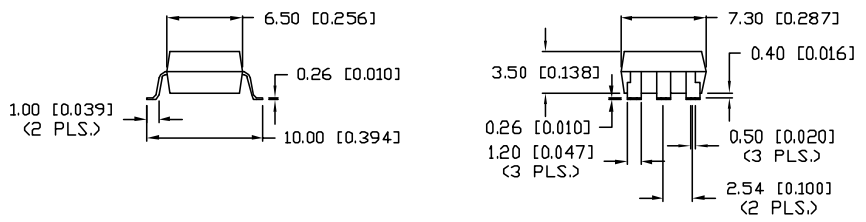
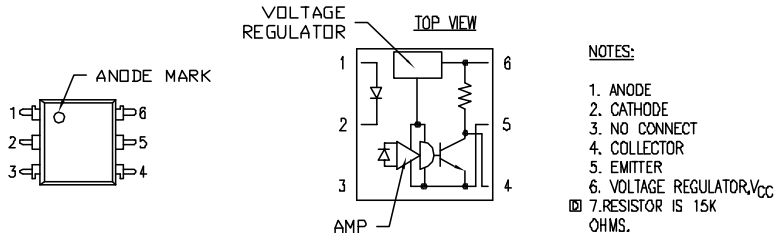


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PART NUMBER		REV.
OCP-PCP116-TR		D
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & #10776.	8.16.01
B	E.C.N. #10815.	12.3.01
C	E.C.N. #1114B.	5.15.07
D	E.C.N. #11462.	12.14.07



TAPE FEED DIRECTION

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

REV. D	PART NUMBER OCP-PCP116-TR	<p>CONFIDENTIAL INFORMATION</p> <p>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.</p> <p>RELIABILITY NOTE</p> <p>OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.</p>	<p>290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw</p>	<p>DRAWN BY: JG</p> <p>CHECKED BY:</p> <p>APPROVED BY:</p>	<p>DATE: 9.29.99</p> <p>PAGE: 1 OF 1</p> <p>SCALE: N/A</p>
SIX PIN SINGLE CHANNEL SURFACE MOUNT PHOTO IC PHOTOCOUPLER.					

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PART NUMBER		REV.
OCP-PCP116-TR		D
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
	SEE PAGE 1.	

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)						
	PARAMETER	SYMBOL	CONDITIONS	MIN	TYP	MAX UNITS
I	FORWARD VOLTAGE	Vf	If=20mA	-	1.2	1.4 V
	PEAK FORWARD VOLTAGE	Vfm	Ifm=0.5A	-	-	3.5 V
	REVERSE CURRENT	Ir	Vr=4V	-	-	10 µA
	TERMINAL CAPACITANCE	Ct	V=0, f=1kHz	-	30	pF
O	OPERATING SUPPLY VOLTAGE	Vcc		4.5	-	17 V
	LOW LEVEL OUTPUT VOLTAGE	Vol	Iol=16mA, Vcc=5V, If=0	-	0.15	0.4 V
	HIGH LEVEL OUTPUT VOLTAGE	VoH	Vcc=5V, If=1mA	3.5	-	- V
	LOW LEVEL SUPPLY CURRENT	IccL	Vcc=5V, If=0	-	1.7	3.8 mA
	HIGH LEVEL SUPPLY CURRENT	IccH	Vcc=5V, If=1mA	-	0.7	2.2 mA
T	"HIGH->LOW" THRESHOLD INPUT CURRENT	IfHL	Vcc=5V, RL=280 ohms	0.1	0.4	- mA
	"LOW->HIGH" THRESHOLD INPUT CURRENT	IfLH	Vcc=5V, RL=280 ohms	-	0.5	1.0 mA
	HYSTERESIS	IHL / IFLH	Vcc=5V, RL=280 ohms	-	0.7	-
	ISOLATION RESISTANCE	Riso	DC5000V	5x10 ¹⁰	10 ¹¹	- ohm
R	"HIGH->LOW" PROPAGATION DELAY TIME	tPHL	Vcc=5V, If=1mA, RL=280 ohm	-	5	15 µS
	"LOW->HIGH" PROPAGATION DELAY TIME	tPLH	Vcc=5V, If=1mA, RL=280 ohm	-	3	9 µS
	FALL TIME	tf	Vcc=5V, If=1mA, RL=280 ohm	-	0.05	0.5 µS
	RISE TIME	tr	Vcc=5V, If=1mA, RL=280 ohm	-	0.1	0.5 µS


I=INPUT, O=OUTPUT, T=TRANSFER CHARACTERISTICS, R=RESPONSE TIME.

ABSOLUTE MAXIMUM RATINGS (Ta=25°C)			
	PARAMETER	SYMBOL	MAX UNITS
I	FORWARD CURRENT	If	50 mA
	PEAK FORWARD CURRENT	Ifm	1 A
	REVERSE VOLTAGE	Vr	6 V
	POWER DISSIPATION	Pd	70 mW
O	SUPPLY VOLTAGE	Vcc	-0.5 TO 17 V
	OUTPUT CURRENT	Ic	50 mA
	POWER DISSIPATION	Pa	150 mW
	TOTAL POWER DISSIPATION	Ptot	170 mW
	ISOLATION VOLTAGE 1 MIN.	Viso	5000 V RMS
	OPERATING TEMP.	Topr	-25 TO +85 °C
	STORAGE TEMP.	Tstg	-40 TO +125 °C
	SOLDERING TEMP.	Tsol	+260 °C
	2.0mm FROM BODY		10 SEC. MAX

I=INPUT, O=OUTPUT.

*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.=+0.00 -DECIMAL PRECISION

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SIX PIN SINGLE CHANNEL SURFACE MOUNT PHOTO IC PHOTOCOUPLER.		DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE: 9.29.99
		JC			PAGE: 2 OF 2
					SCALE: N/A