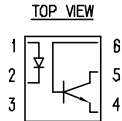
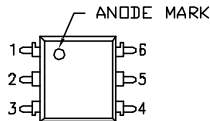
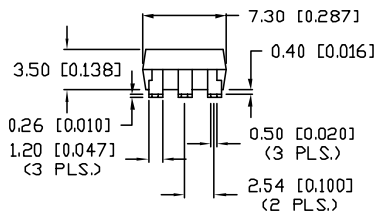
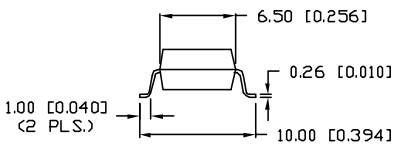


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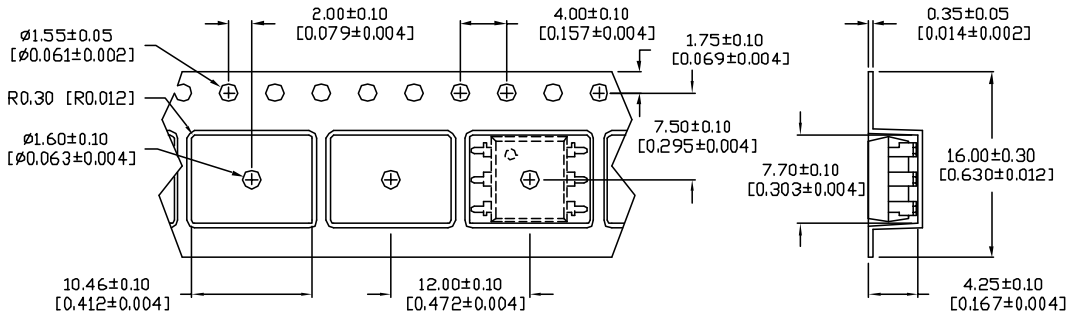
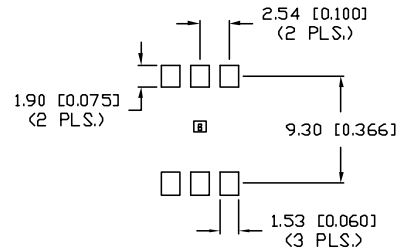
PART NUMBER		REV.
OCP-PCTB116/E-TR		C
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & #10776.	8.16.01
B	E.C.N. #10815.	12.3.01
C	E.C.N. #11148.	5.16.07



- NOTES:
1. ANODE
 2. CATHODE
 3. NO CONNECT
 4. EMITTER
 5. COLLECTOR
 6. BASE



RECOMMENDED SOLDER PAD LAYOUT



TAPE FEED DIRECTION

*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}

UNCONTROLLED DOCUMENT

REV.	PART NUMBER
C	OCP-PCTB116/E-TR
SIX PIN SURFACE MOUNT SINGLE CHANNEL PHOTOCOUPLER, TRANSISTOR OUTPUT WITH EXTERNAL BASE CONNECTION.	

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RELIABILITY NOTE
 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.



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			SCALE: N/A



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PART NUMBER		REV.
OCP-PCTB116/E-TR		C
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	If=0.5A	-	-	3.5	V
REVERSE CURRENT	IR	Vr=4V	-	-	10	µA
TERMINAL CAPACITANCE	Ct	V=0, f=1kHz	-	30	-	pF
O COLLECTOR DARK CURRENT	IcEO	Vce=20V	-	-	10 ⁻⁷	A
T CURRENT TRANSFER RATIO	CRT	If=2mA, Vce=5V	60	-	600	%
COLLECTOR-EMITTER SATURATION VOLTAGE	Vce(sat)	If=20mA, Ic=1mA	-	0.1	0.3	V
ISOLATION RESISTANCE	Risd	DC500V	5x10 ¹⁰	10 ¹¹	-	ohm
FLOATING CAPACITANCE	Cf	V=0, f=1MHz	-	0.6	1.0	pF
CUT-OFF FREQUENCY	fc	Vce=5V, Ic=2mA, Rl=100ohm	-	80	-	kHz
RESPONSE TIME (RISE)	tr	Vce=5V, Ic=2mA, Rl=100ohm	-	5	20	µS
RESPONSE TIME (FALL)	tf	Vce=5V, Ic=2mA, Rl=100ohm	-	4	20	µS


I=INPUT, O=OUTPUT, T=TRANSFER CHARACTERISTICS.

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	Pa	70	mW
O COLLECTOR-EMITTER VOLTAGE	VceO	60	V
EMITTER-COLLECTOR VOLTAGE	VceO	6	V
COLLECTOR-BASE VOLTAGE	VcBO	60	V
EMITTER-BASE VOLTAGE	VeBO	6	V
COLLECTOR CURRENT	Ic	50	mA
COLLECTOR POWER DISSIPATION	Pc	150	mW
TOTAL POWER DISSIPATION	Ptot	200	mW
ISOLATION VOLTAGE 1 MIN.	Viso	5000	VRMS
OPERATING TEMPERATURE	ToPr	-30 TO +100	°C
STORAGE TEMPERATURE	Tstg	-55 TO +125	°C
SOLDERING TEMPERATURE	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), 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

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REV. C	PART NUMBER OCP-PCTB116/E-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: JC</p> <p>CHECKED BY:</p> <p>APPROVED BY:</p> <p>DATE: 9.29.99 PAGE: 2 OF 2 SCALE: N/A</p>
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