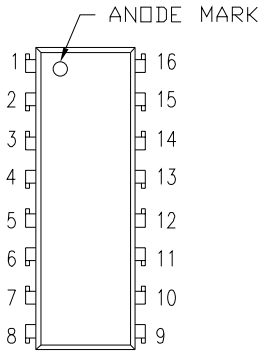
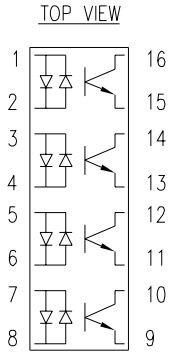
UNCONTROLLED DOCUMENT

PART NUMBER	REV.
OCP-PCT4216/X	

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE





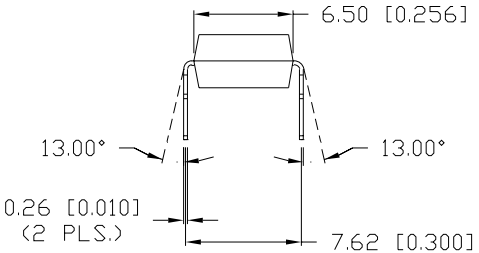
NOTES:

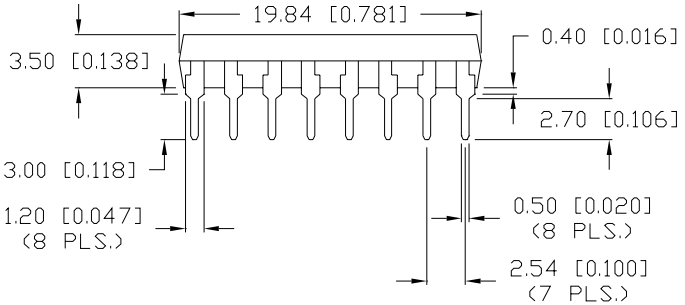
1,3,5,7. ANODE/CATHODE
2,4,6,8. CATHODE/ANODE
9,11,13,15. EMITTER
10,12,14,16. COLLECTOR

CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

PART NUMBER TABLE

PART= /X	CTR (%)
/A	60 TO 600
/B	60 TO 300





ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

	PARAMETER	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNITS
I	FORWARD VOLTAGE	V_F	I_F=±20mA	–	1.2	1.4	V
	PEAK FORWARD VOLTAGE	V_{FM}	I_{FM}=±0.5A	–	–	3.5	V
	TERMINAL CAPACITANCE	C_t	V=0, f=1kHz	–	30	–	pF
O	COLLECTOR DARK CURRENT	I_{CEO}	V_{CE}=20V, I_F=0	–	–	10^{-7}	A
T	CURRENT TRANSFER RATIO	CRT	I_F=±1mA, V_{CE}=5V	60	–	600	%
	COLLECTOR-EMITTER SATURATION VOLTAGE	$V_{CE(sat)}$	I_F=±20mA, I_C=1mA	–	0.1	0.3	V
	ISOLATION RESISTANCE	R_{ISO}	DC500V	$5x10^{10}$	10^{11}	–	ohm
	FLOATING CAPACITANCE	C_f	V=0, f=1MHz	–	0.6	1.0	pF
	CUT-OFF FREQUENCY	f_c	V_{CE}=5V, I_C=2mA, R_L=100ohm	–	80	–	kHz
	RESPONSE TIME (RISE)	t_r	V_{CE}=2V, I_C=2mA, R_L=100ohm	–	5	20	µS
	RESPONSE TIME (FALL)	t_f	V_{CE}=2V, I_C=2mA, R_L=100ohm	–	4	20	µS

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

ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

	PARAMETER	SYMBOL	MAX	UNITS
I	FORWARD CURRENT	I_F	±50	mA
	PEAK FORWARD CURRENT	I_{FM}	±1	A
	POWER DISSIPATION	P_D	70	mW
O	COLLECTOR-EMITTER VOLTAGE	V_{CEO}	60	V
	EMITTER-COLLECTOR VOLTAGE	V_{ECO}	6	V
	COLLECTOR CURRENT	I_C	50	mA
	COLLECTOR POWER DISSIPATION	P_C	150	mW
	TOTAL POWER DISSIPATION	P_{tot}	200	mW
	ISOLATION VOLTAGE 1 MIN.	V_{ISO}	5000	V_{RMS}
	OPERATING TEMP.	T_{opr}	– 30 TO + 100	°C
	STORAGE TEMP.	T_{stg}	– 55 TO + 125	°C
	SOLDERING TEMP.	T_{sol}	+ 260	°C
	2.0mm FROM BODY			10 SEC. MAX

I=INPUT, O=OUTPUT.

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*UNLESS OTHERWISE SPECIFIED TOLERANCE IS ±0.25mm (±0.010")

REV.	PART NUMBER	CONFIDENTIAL INFORMATION	LUMEX INCORPORATED	290 E. HELLEN ROAD PALATINE, ILLINOIS 60067 PHONE: 1-847-359-2790 WEB: HTTP://WWW.LUMEX.COM
	OCP-PCT4216/X	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.		

SIXTEEN PIN DIP QUAD CHANNEL PHOTOCOUPLER,
BIPOLAR INPUT, TRANSISTOR OUTPUT,
WITHOUT EXTERNAL BASE CONNECTION.

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.

DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE: 9-29-99
CK/DU			PAGE: 1 OF 1
			SCALE: N/A