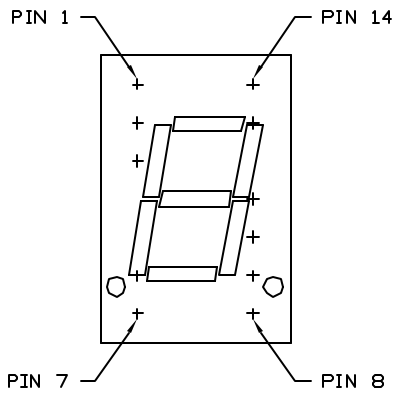
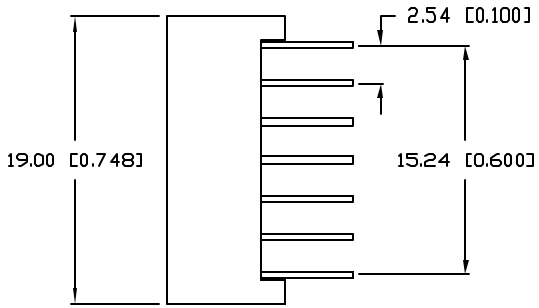
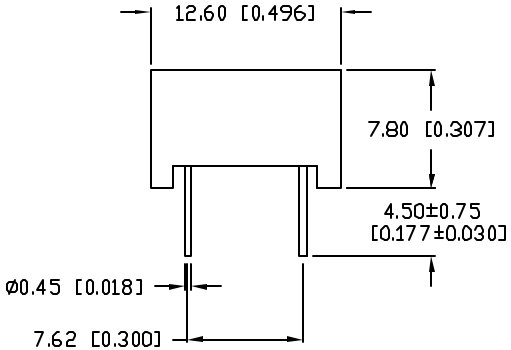
DATE	REVISIONS	REV
5-29-96	E.C.N. #10173./	A
4-20-98	E.C.N. #10BRDR. & REDRAWN./	B

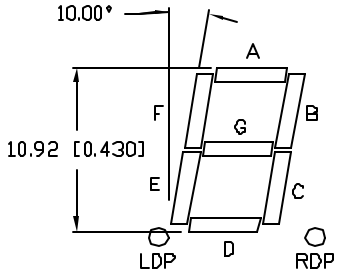
DRAWING NUMBER LDS-C414RI | REV B

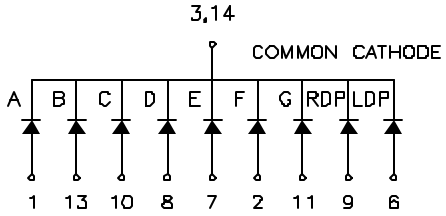






DIGIT DETAIL





NO PIN 4, 5 & 12

UNLESS OTHERWISE SPECIFIED TOLERANCE IS ±.25mm (±0.010")

DU

ELECTRO-OPTICAL CHARACTERISTICS T_A =25°C I_f =10mA

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
FORWARD VOLTAGE		2.0	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	I_r=100µA
AXIAL INTENSITY		5600		µcd	I_f=10mA
EMITTED COLOR:	RED				
FONT COLOR:	GREY				
SEGMENT COLOR:	MILKY WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY		3 SEC. MAX

* t<10µS

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.

B

LUMEX INCORPORATED
290 E. HELLEN ROAD
PALATINE, ILLINOIS 60067
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DATE: 7-20-95	DWN:	CHK'D:	APPD:
SCALE: N/A			

0.43" SINGLE DIGIT, SEVEN SEGMENT DISPLAY, 635nm RED, GREY FONT/WHITE SEGMENTS, COMMON CATHODE.

DRAWING NUMBER LDS-C414RI | REV B