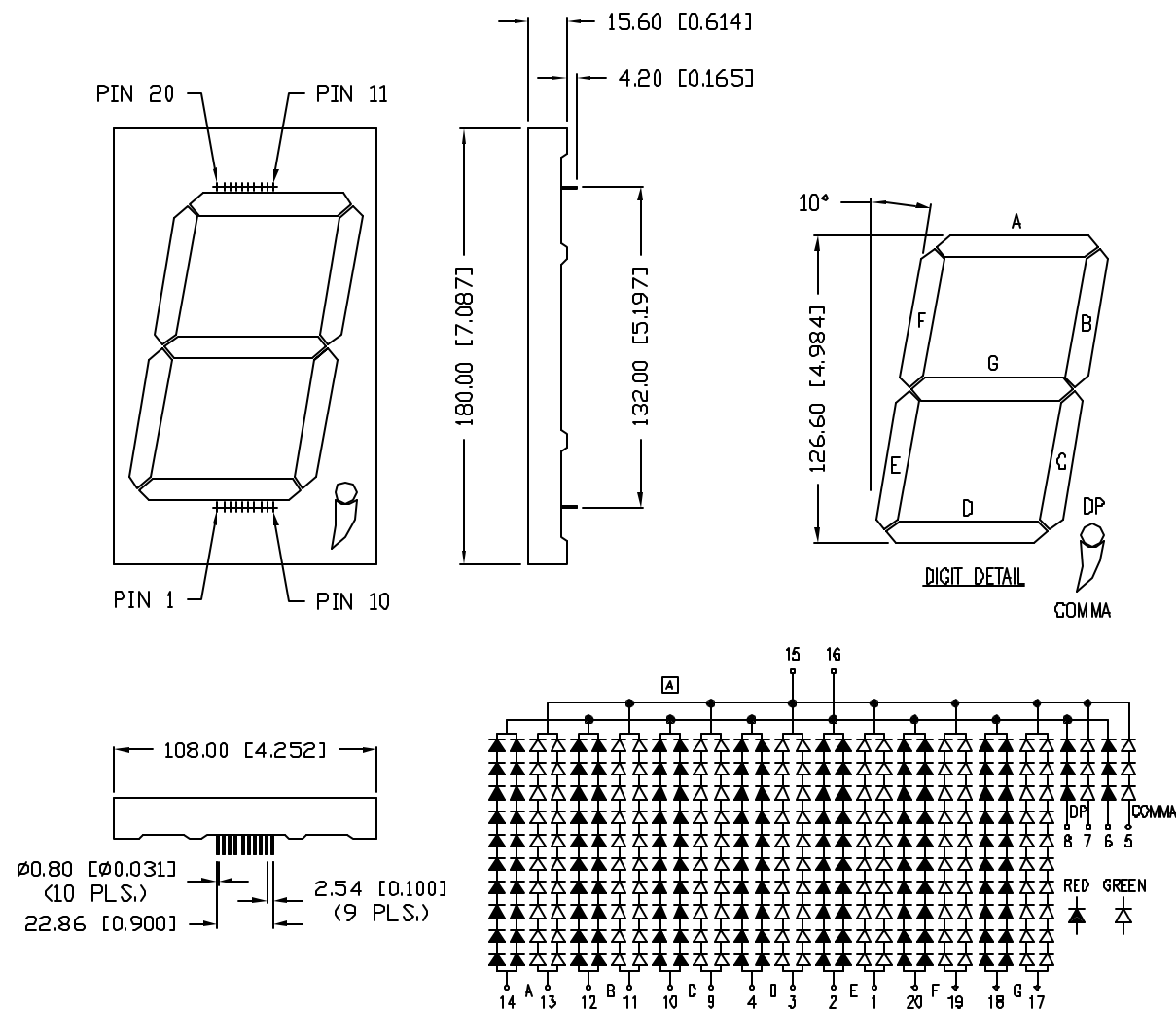




PART NUMBER		REV.
LDS-CA5042R1		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10841.	3.12.02

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=10\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
		565 (GREEN)		nm	
FORWARD VOLTAGE* (R/G)		21/22	24/25	V_f	
REVERSE VOLTAGE	25			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		9000		μcd	$I_f=10\text{mA}$
EMITTED COLOR:	RED/GREEN				
FACE COLOR:	GREY				
SEGMENT COLOR:	MILKY WHITE DIFFUSED				

* EXCEPT FOR DECIMAL POINT AND COMMA.

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		80	mA
STEADY CURRENT		12	mA
POWER DISSIPATION		60	mW
DERATE FROM 25°C		-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.		-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.		+260	$^\circ\text{C}$
2.0mm FROM BODY			3 SEC. MAX

* $t < 10\mu\text{s}$

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), 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 MAX= +0.00 -0.00

REV.
APART NUMBER
LDS-CA5042R1

5.0" SINGLE DIGIT SEVEN SEGMENT DISPLAY,
635nm RED/ 565nm GREEN CHIPS, GRAY FACE,
MILKY WHITE DIFFUSED SEGMENTS, COMMON CATHODE.

CONFIDENTIAL INFORMATION

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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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CT

PAGE: 1 OF 1

SCALE: N/A

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