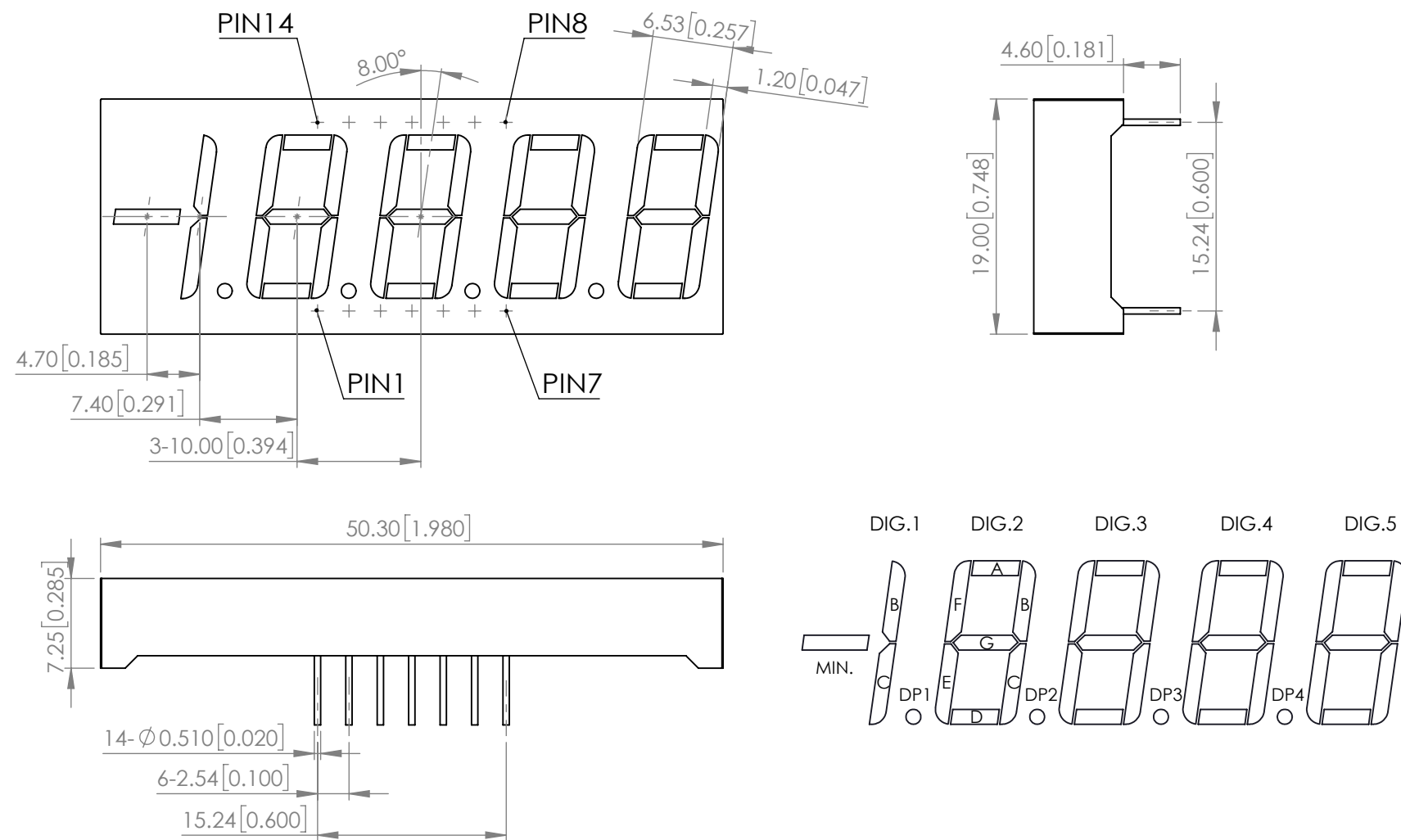


PART NUMBER		LDQ-M5207RI-USB	REV	B
REV	E.C.N. NUMBER AND REVISION COMMENTS			DATE
A	ECN-Lumex202300070			06.29.23
B	ECN-Lumex202300096			08.23.23



**ELECTRO-OPTICAL CHARACTERISTIC TA=25°C PER SEGMENT**

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	-	470	-	nm	If=10mA
FORWARD VOLTAGE	-	2.8	3.0	Vf	If=10mA
REVERSE CURRENT	-	-	20	uA	VR=5V
LUMINOUS INTENSITY	-	60	-	mcd	If=10mA
EMITTED COLOR	BLUE				
FONT COLOR	GRAY				
SEGMENT COLOR	MILKY WHITE DIFFUSED				

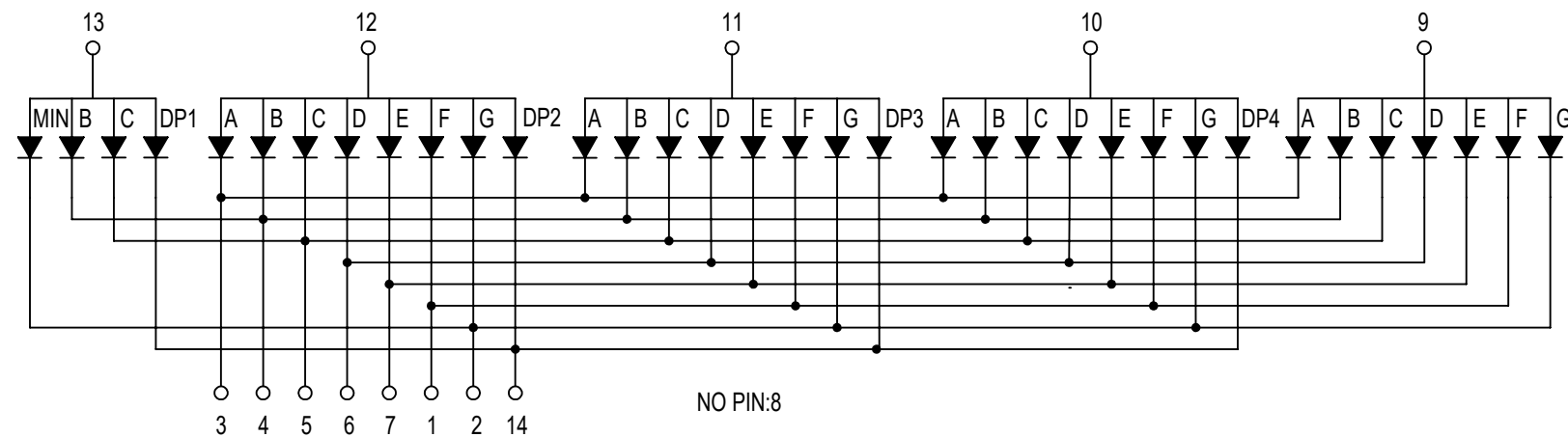
**ABSOLUTE MAXIMUM RATINGS TA=25°C PER SEGMENT**

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	80	mA
FORWARD CURRENT	20	mA
POWER DISSIPATION	105	mW
REVERSE VOLTAGE	5	V
STORAGE TEMPERATURE	-30 TO +85	°C
OPERATING TEMPERATURE	-25 TO +85	°C
SOLDERING TEMPERATURE**	3 SEC MAX. @ 260	°C

\* DUTY 1/10 @10KHz

\*\* AT 2mm DISTANCE FROM THE CASE OF REFLECTOR EDGE.

**CIRCUIT DIAGRAM**



\*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= <sup>+DECIMAL PRECISION</sup>/<sub>-0.00</sub> MAX= <sup>+0.00</sup>/<sub>-DECIMAL PRECISION</sub>