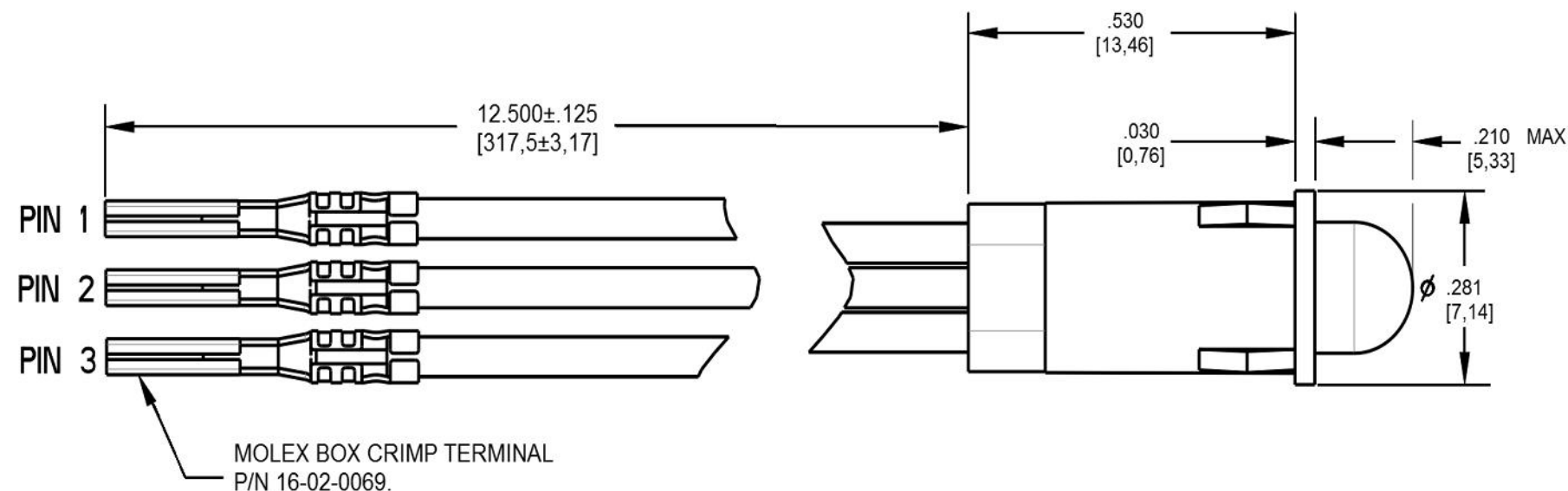
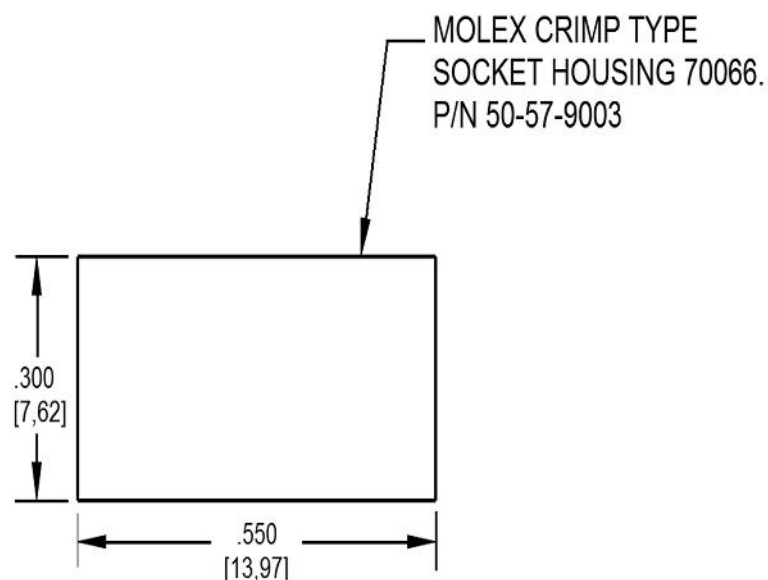


PIN #	WIRE COLOR	POLARITY
1	RED	RED ANODE
2	BLACK	COMMON CATHODE
3	GREEN	GREEN ANODE

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	—	NEW RELEASE	BP	—	SK	1-9-17

RoHS COMPLIANT 559-3501-824F

Part Numbers with the "F" suffix ending are RoHS Compliant. Packaging is marked with "RoHS Compliant" label or equivalent markings.



OPERATING CHARACTERISTICS AT 25° C AMBIENT						
LED CHARACTERISTICS	LED COLOR (BI-COLOR)	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	RED	2.1	5.0	—	mcd	IF = 10mA
	GREEN	4.2	8.0	—		
PEAK WAVELENGTH	RED	—	635	—	nm	
	GREEN	—	565	—		
DOMINANT WAVELENGTH	RED	—	626	—	nm	
	GREEN	—	569	—		
FORWARD VOLTAGE	RED	—	2.1	2.5	V	IF = 10mA
	GREEN	—	2.3	2.7		
REVERSE CURRENT	ALL	—	—	100	μA	VR = 5 V
VIEWING ANGLE	ALL	—	65	—	DEGREE	

ABSOLUTE MAXIMUM RATINGS AT 25° C AMBIENT	RED/GREEN	UNITS
POWER DISSIPATION	135	mW
PEAK FORWARD CURRENT (10μs PULSE WIDTH)	500	mA
CONTINUOUS FORWARD CURRENT	30	mA
LINEAR DERATING FROM 50°C	0.5	mA/°C
REVERSE VOLTAGE	5	V
OPERATING TEMPERATURE	-20 TO +85	°C
STORAGE TEMPERATURE	-55 TO +100	°C

NOTES:

- DIALIGHT PART NUMBER: 559-3501-824F.
- REQUIRED EXTERNAL RESISTOR.
- RECOMMENDED MOUNTING HOLE: $\phi .249$ "- $\phi .252$ " ON PANELS .031"-.062" THICK.
- LEAD WIRES: 28 AWG PVC 7/32 PRE-BONDED.
- LED EPOXY: WHITE DIFFUSED
- LED COLOR: RED/GREEN BI-COLOR
- MOLEX CONNECTOR SUPPLIED LOOSE IN BAG

THIS DRAWING AND THE CONTENTS HEREIN ARE CONFIDENTIAL AND THE SOLE PROPERTY OF DIALIGHT CORP. REPRODUCTION OF THIS DRAWING OR CONSTRUCTION OF ANY PARTS WITHIN THIS DRAWING ARE FORBIDDEN WITHOUT THE WRITTEN CONSENT OF DIALIGHT CORP.		
DIALIGHT CORP. INTERNAL REFERENCE ONLY = 3D MODEL : MODEL NAME - .		
SCALE: DRAWING SCALE	DRAWING NUMBER	REV
ALL DIM'S: INCH (mm)	C-18116	A
TOLERANCES: UNLESS OTHERWISE SPECIFIED		
FRACTIONS: $\pm 1/64$ DECIMALS (.XX): $\pm .02$ DECIMALS (.XXX): $\pm .010$	TITLE CUSTOM 5mm R/G 559 SERIES W/ TERMINALS AND CONNECTORS	
ANGLES: $\pm 1^\circ$	MATERIAL	
FINISH	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com	
FSCM 83330	SHEET 1 OF 1	FAMILY TABLE: