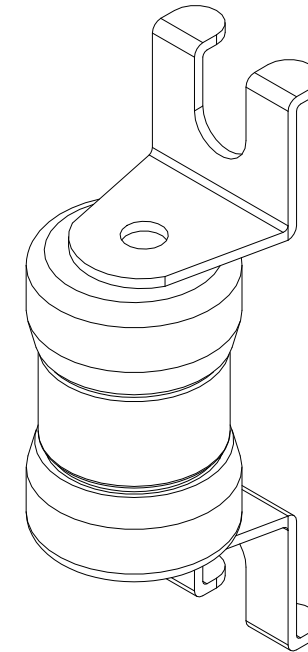
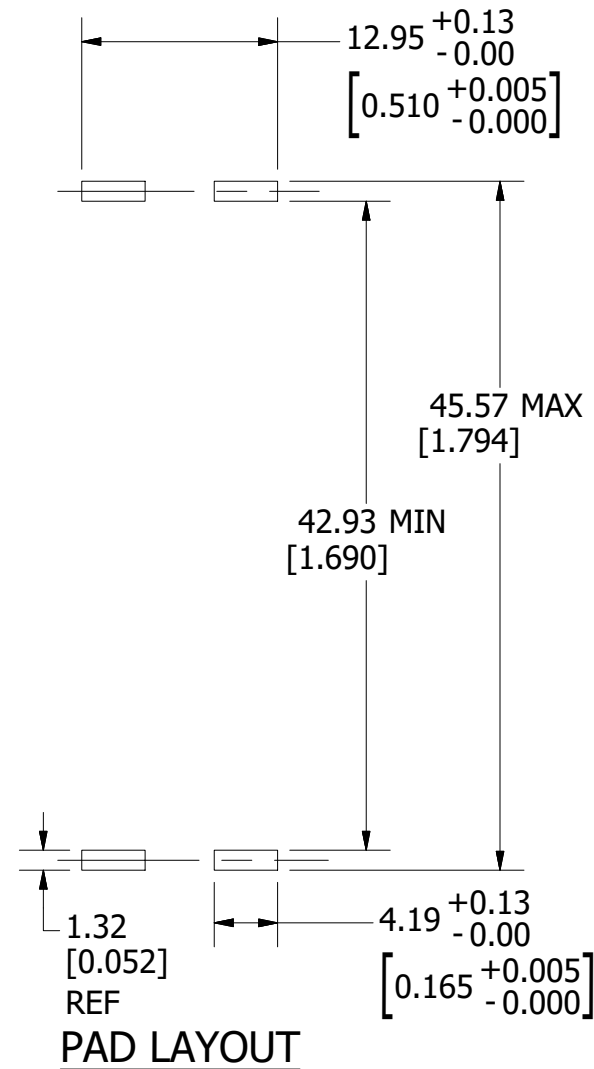
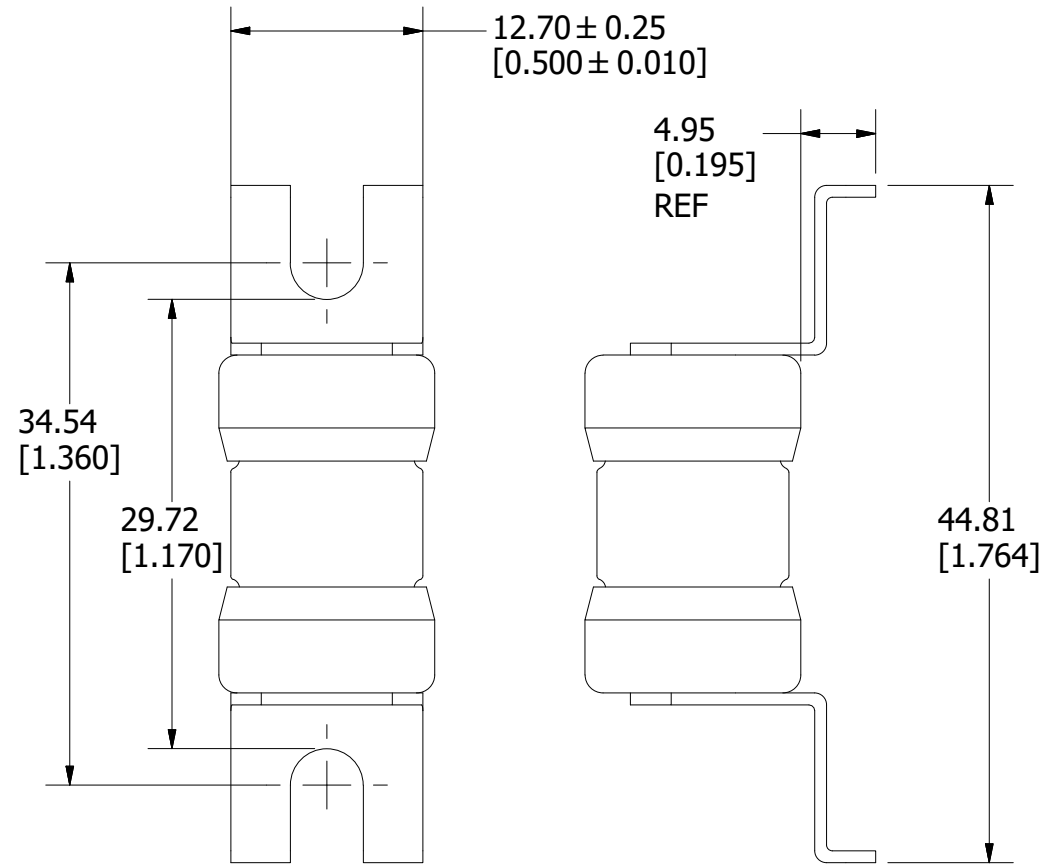


REVISION		
REV	DATE	DESCRIPTION
A	5/8/19	520782GCP - RELEASE MRY
B	5/14/20	522325ECP/D - ADD FRONT VIEW MRY

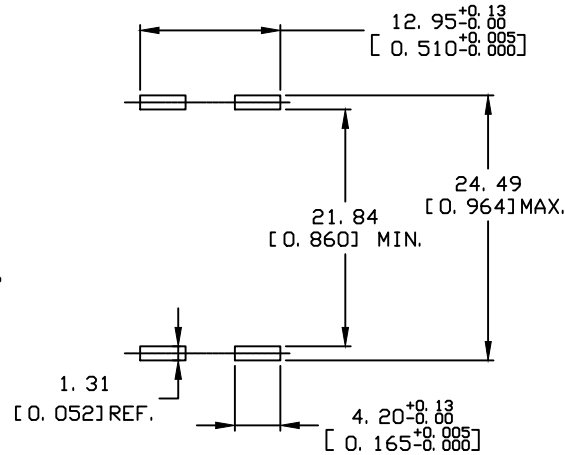
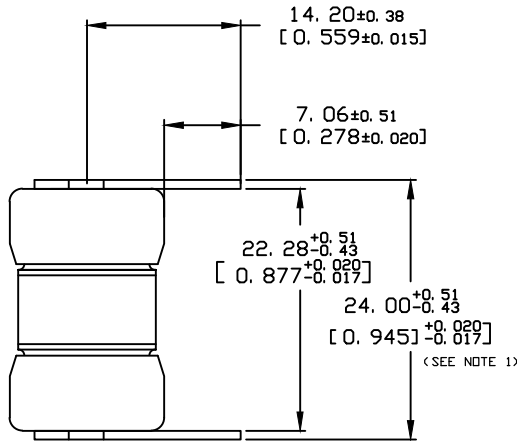


LEAD-FREE SOLDERING PROFILE:

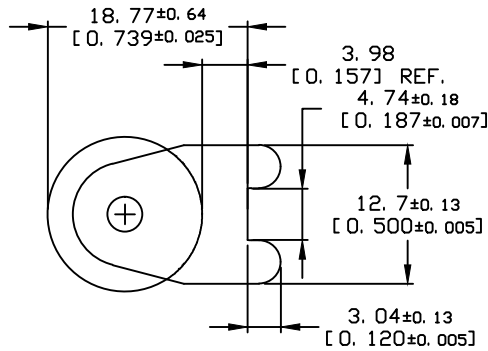
PRE-HEAT: ABOVE 130°C FOR 75 SECONDS MAX.
 REFLOW: 278°C FOR 8 SECONDS MAX.
 TIME: 250 SECONDS MAX.
 MAX. TEMP: 280°C

1	NO	COMPONENT NO	DESCRIPTION	QTY/M	U/M
BILL OF MATERIAL					
<S>	CRITICAL CHARACTERISTIC FOR PART SAFETY/COMPLIANCE				
●	DENOTES CRITICAL CHARACTERISTICS.				
CPK	DENOTES CPK DIMENSIONS, -MINIMUM CPK VALUE				
⊖	DENOTES A CHARACTERISTIC THAT PROVIDES AN INDICATION OF PROCESS PERFORMANCE. PROCEDURE FOR MEASUREMENT AND TRACKING TO BE DEFINED IN LITTELFUSE INSPECTION INSTRUCTIONS.				
CP	DENOTES CP DIMENSIONS, -MINIMUM CP VALUE MUST BE WITHIN THE DIMENSIONAL LIMITATIONS SHOWN ON DRAWING AND INITIALLY LOCATED TO ALLOW FOR MAXIMUM TOOL LIFE.				
MATL SPEC			FINISH		
DRW myork	DATE 5/7/2019	SCALE NTS	FINISH GOOD WT GRAMS/PIECE		
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS, DIMENSIONS IN BRACKETS [] ARE INCHES DIMENSIONING AND DO NOT INCLUDE PLATING. TOLERANCING TO BE INTERPRETED IN ACCORDANCE WITH ANSI Y14.5M-1994					
3RD ANGLE PROJECTION					
TITLE		JLLN-L OUTLINE			
 CHICAGO, ILLINOIS 60631		REVISION B	DRWG NO. OL-JLLN000L	SHEET 1 OF 1	

		REVISION	
REV	DATE	DESCRIPTION	
A	3/29/17	517351GCP - RELEASE MRY	



PAD LAYOUT



NOTE:

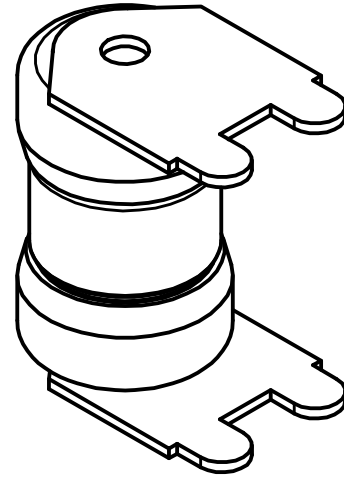
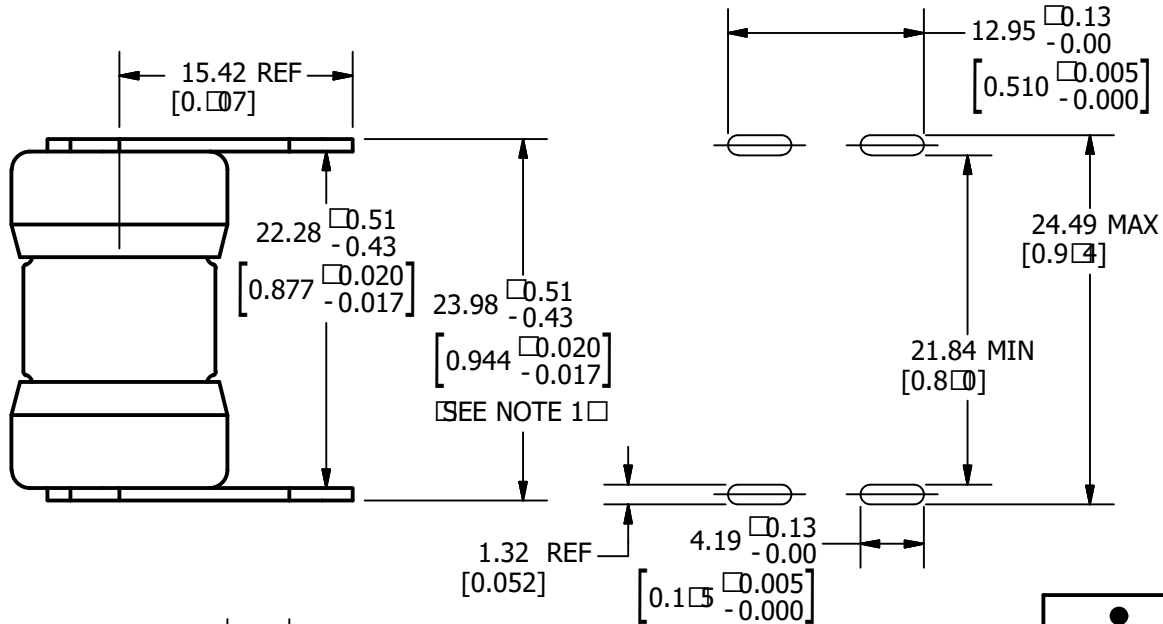
1. MEASUREMENT TAKEN AT END OF TERMINALS.

LEAD-FREE SOLDERING PROFILE:

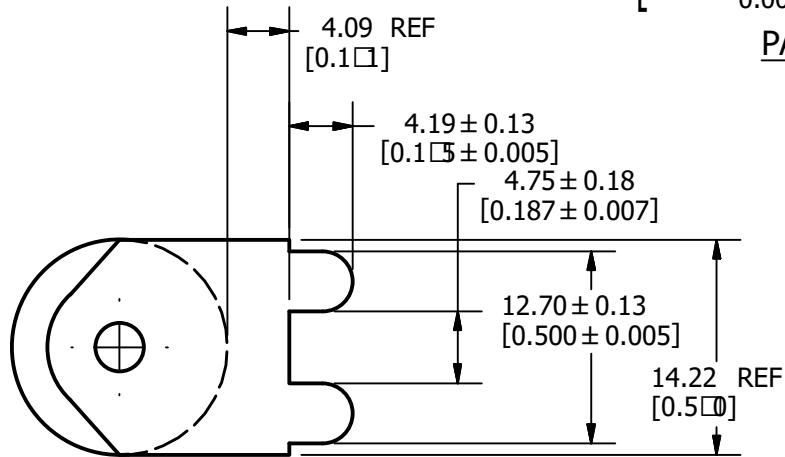
PRE-HEAT: ABOVE 130°C FOR 75 SECONDS MAX.
 REFLOW: 278°C FOR 8 SECONDS MAX.
 TIME: 250 SECONDS MAX.
 MAX. TEMP: 280°C

●	DENOTES CRITICAL CHARACTERISTICS.		
CPK	DENOTES CPK DIMENSIONS, -MINIMUM CPK VALUE		
⊕	DENOTES A CHARACTERISTIC THAT PROVIDES AN INDICATION OF PROCESS PERFORMANCE. PROCEDURE FOR MEASUREMENT AND TRACKING TO BE DEFINED IN LITTELFUSE INSPECTION INSTRUCTIONS.		
CP	DENOTES CP DIMENSIONS, -MINIMUM CP VALUE MUST BE WITHIN THE DIMENSIONAL LIMITATIONS SHOWN ON DRAWING AND INITIALLY LOCATED TO ALLOW FOR MAXIMUM TOOL LIFE. B		
MATL SPEC		FINISH	
DRW myork	DATE 3/27/2017	SCALE NTS	FINISH GOOD WT GRAMS/PIECE
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS, DIMENSIONS IN BRACKETS [] ARE INCHES DIMENSIONING AND DO NOT INCLUDE PLATING. TOLERANCING TO BE INTERPRETED IN ACCORDANCE WITH ANSI Y14.5M-1994			
3RD ANGLE PROJECTION			
TITLE JLLN-LS OUTLINE & PAD LAYOUT			
Littelfuse CHICAGO, ILLINOIS 60631	REVISION A	DRWG NO. OL-JLLN000LS	SHEET 1 OF 1

REVISION		
REV	DATE	DESCRIPTION
A	2/15/18	51884 CP - RELEASE PER EM3011 MRY



PAD LAYOUT



NOTE
1. MEASUREMENT TAKEN AT END OF TERMINALS.

LEAD-FREE SOLDERING PROFILE

PRE-HEAT ABOVE 130°C FOR 75 SECONDS MAX.
REFLOW 278°C FOR 8 SECONDS MAX.
TIME 250 SECONDS MAX.
MAX. TEMP 280°C

●	DENOTES CRITICAL CHARACTERISTICS.
CPK	DENOTES CPK DIMENSIONS, -MINIMUM CPK VALUE
ST	DENOTES A CHARACTERISTIC THAT PROVIDES AN INDICATION OF PROCESS PERFORMANCE. PROCEDURE FOR MEASUREMENT AND TRACKING TO BE DEFINED IN LITTELFUSE INSPECTION INSTRUCTIONS.
CP	DENOTES CP DIMENSIONS, -MINIMUM CP VALUE MUST BE WITHIN THE DIMENSIONAL LIMITATIONS SHOWN ON DRAWING AND INITIALLY LOCATED TO ALLOW FOR MAXIMUM TOOL LIFE.

A

MATL SPEC		FINISH	
DRW MYORK	DATE 1/17/2018	SCALE NTS	FINISH GOOD WT GRAMS/PIECE

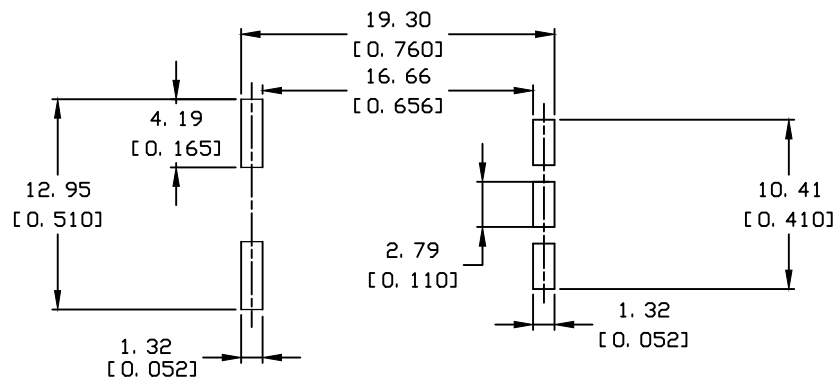
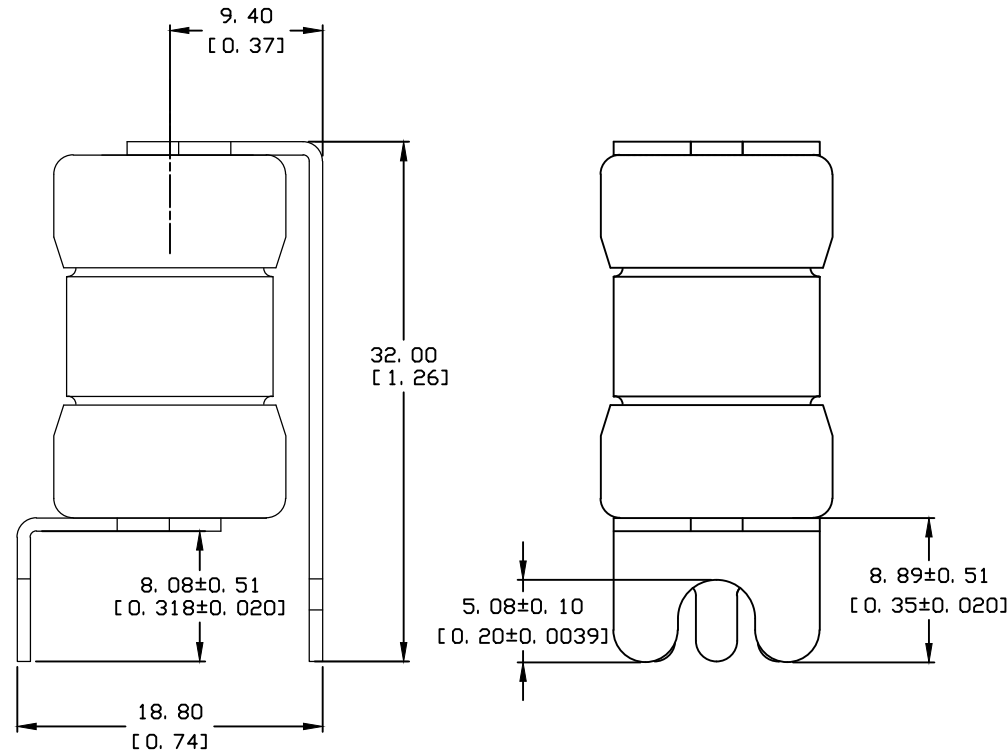
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS, DIMENSIONS IN BRACKETS [] ARE INCHES DIMENSIONING AND DO NOT INCLUDE PLATING. TOLERANCING TO BE INTERPRETED IN ACCORDANCE WITH ANSI Y14.5M-1994

3RD ANGLE PROJECTION	
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TITLE	JLLN-LSE OUTLINE
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 CHICAGO, ILLINOIS 60631	REVISION	DRWG NO.	SHEET 1 OF 1
	A	OL-JLLN000LSE	

		REVISION	
REV	DATE	DESCRIPTION	
A	3/29/17	517351GCP - RELEASE MRY	
B	8/9/19	521072ECP/D - ADD LEAD DIMENSIONS MRY	



PAD LAYOUT

●	DENOTES CRITICAL CHARACTERISTICS.		
CPK	DENOTES CPK DIMENSIONS, -MINIMUM CPK VALUE		
⊠	DENOTES A CHARACTERISTIC THAT PROVIDES AN INDICATION OF PROCESS PERFORMANCE. PROCEDURE FOR MEASUREMENT AND TRACKING TO BE DEFINED IN LITTELFUSE INSPECTION INSTRUCTIONS.		
CP	DENOTES CP DIMENSIONS, -MINIMUM CP VALUE MUST BE WITHIN THE DIMENSIONAL LIMITATIONS SHOWN ON DRAWING AND INITIALLY LOCATED TO ALLOW FOR MAXIMUM TOOL LIFE. B		
MATL SPEC		FINISH	
DRW myork	DATE 03/27/2017	SCALE NTS	FINISH GOOD WT GRAMS/PIECE
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS, DIMENSIONS IN BRACKETS [] ARE INCHES DIMENSIONING AND DO NOT INCLUDE PLATING. TOLERANCING TO BE INTERPRETED IN ACCORDANCE WITH ANSI Y14.5M-1994			
3RD ANGLE PROJECTION			
TITLE JLLN-V OUTLINE & PAD LAYOUT			
Littelfuse® CHICAGO, ILLINOIS 60631		REVISION B	DRWG NO. OL-JLLN000V SHEET 1 OF 1