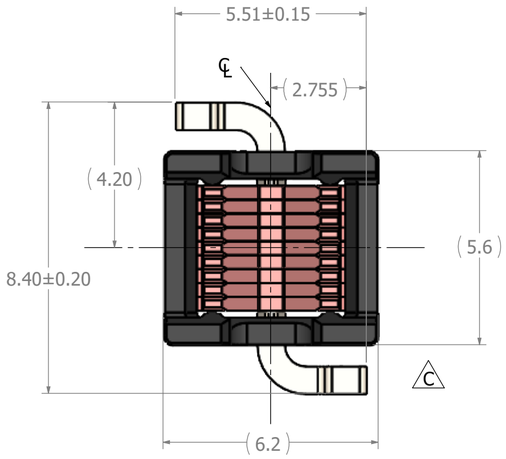
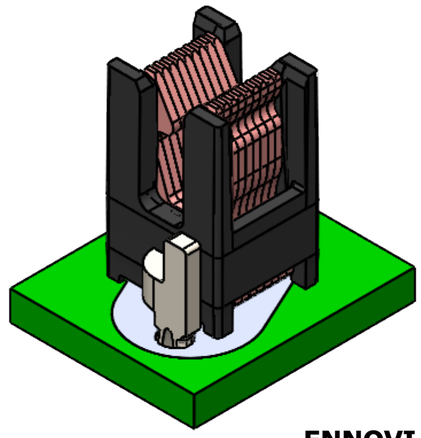
NOTES (UNLESS OTHERWISE NOTED):

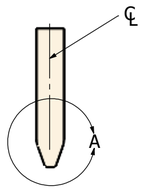
1. CONSTRUCTION:
   STAMPINGS: CuNiSi (LAMINATIONS & PF BASE)
   HOUSING: GLASS-FILLED PPA
   PLATING: POST-PLATED TIN OVER SULFAMATE NICKEL (LAMINATIONS AND PF BASE)
2. TYPICAL ASSEMBLY FORCES FOR MATING BLADE INTO LAMINATIONS:
   APPROXIMATELY 90N TYPICAL FOR 0.8mm BUSBAR
   APPROXIMATELY 205N TYPICAL FOR 1.0mm BUSBAR (B)
   NOT APPROVED FOR USE OF 0.8mm BUSBAR AFTER INSERTION AND REMOVAL OF 1.0mm BUSBAR
   PRESS-FOOT BASE INTO PCB: APPROXIMATELY 450N TYPICAL.
   RECOMMENDED USE ENNOVI-SUPPLIED END-ARM TOOLING IPX17173
3. REFERENCE APPLICATION DRAWING E-MLG3034-APP FOR PRESS-FIT DETAILS
4. MATING CYCLES:
   TESTED TO 3 CYCLES WITH CONTROLLED, REPEATABLE ASSEMBLY METHOD
5. MAXIMUM ENVIRONMENTAL TEMPERATURE: 125˚C
6. USERS MUST ALWAYS VALIDATE AND QUALIFY BusMate® IN THEIR OWN APPLICATION
7. UNDER RARE CIRCUMSTANCES, A SHIFT IN THE LAMINATIONS MAY OCCUR. HOWEVER, SHIFT LESS THAN 0.55mm WILL NOT AFFECT THE INSERTION PROCESS. (D) REALIGNMENT IF THE LAMINATION IS ALSO POSSIBLE WITHOUT DEGRADATION OF THE CONTACT SURFACE.

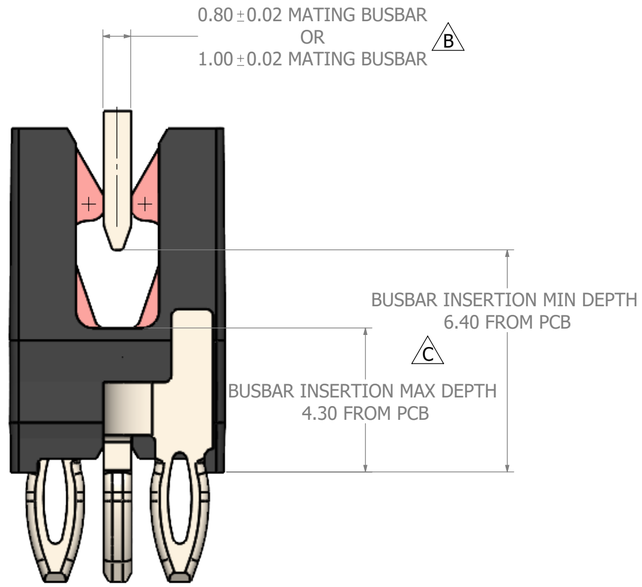
REVISIONS					
ZONE	REV.	DESCRIPTION	DATE	APPROVED	DCN
	A	INITIAL RELEASE	5/27/2021	AP	202112
	B	ADDED DETAILS FOR 1mm BUSBAR	9/2/2021	GT	202113
	C	REMOVED REDUNDANT DIMENSIONS	11/12/2021	GT	202119
	D	UPDATED NOTE 2, ADDED NOTE 7	2/14/2024		

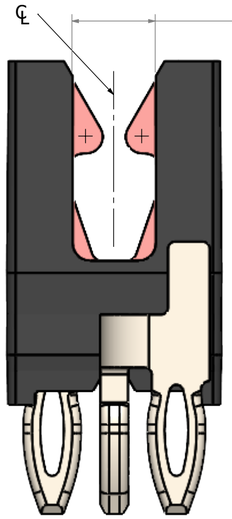




ENNOVI PART#
IPX30013







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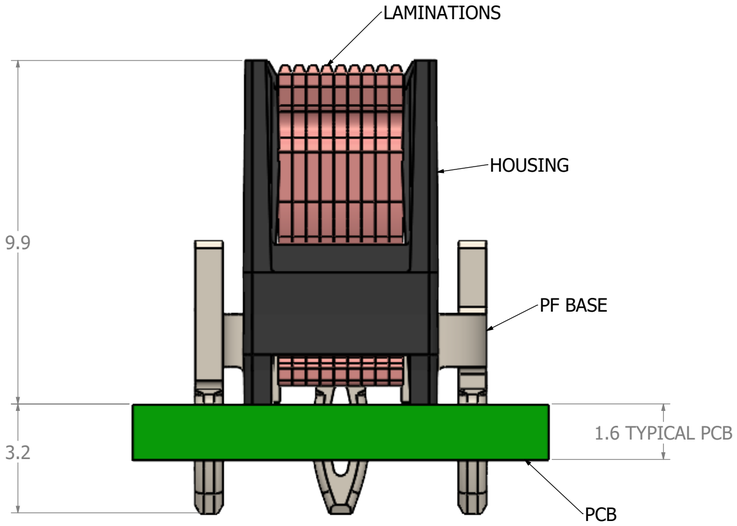
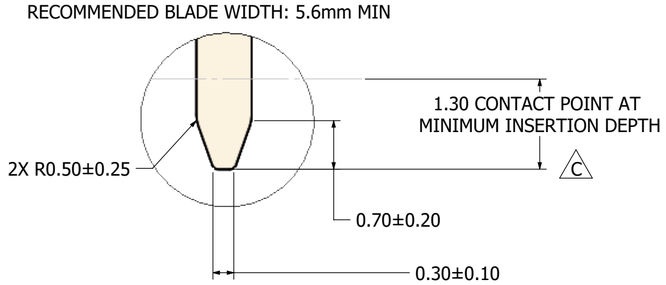
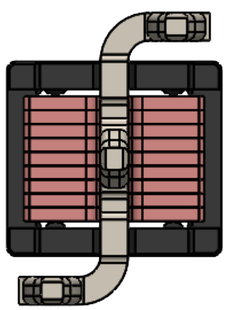


MATING BUSBAR

BUSBAR MATERIAL: COPPER / COPPER ALLOY, ½ HARD MIN RECOMMENDED
RECOMMENDED PLATING: Sn over Ni
RECOMMENDED BLADE WIDTH: 5.6mm MIN



DETAIL A
SCALE 16 : 1

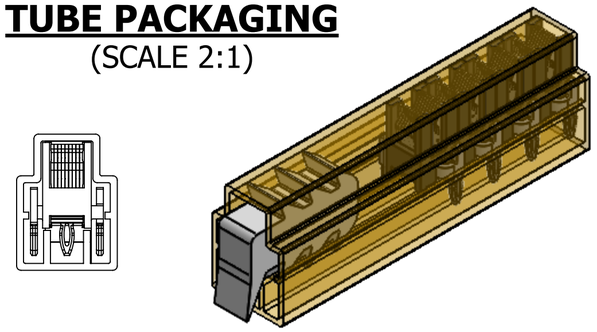


UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MM
TOLERANCES:
.X ±.1
.XX ±.07
.XXX ±.03
ANGULAR: ±2°

ENNOVI™

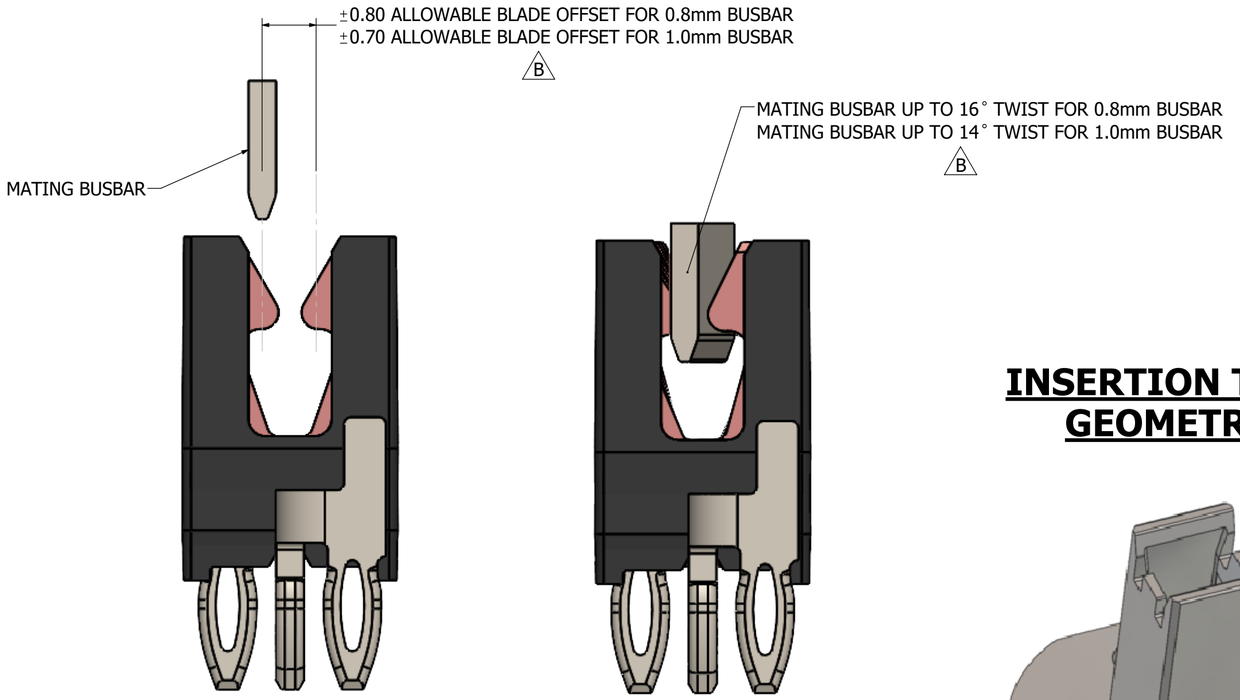
TITLE: BusMate®, 9LAM PRESS-FIT 40-60 AMP, 0.8mm MATING BUSBAR		SCALE: 8:1	SIZE: A2
DRAWING NO.: E-IPX30013		REV: D	SHEET: 1 / 2

TUBE PACKAGING
(SCALE 2:1)

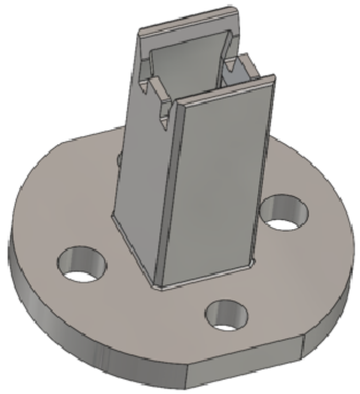


TUBE LENGTH: 340mm (13.4")
TUBE WIDTH: 12mm
TUBE HEIGHT: 16mm
QTY PER TUBE: 50 PCS

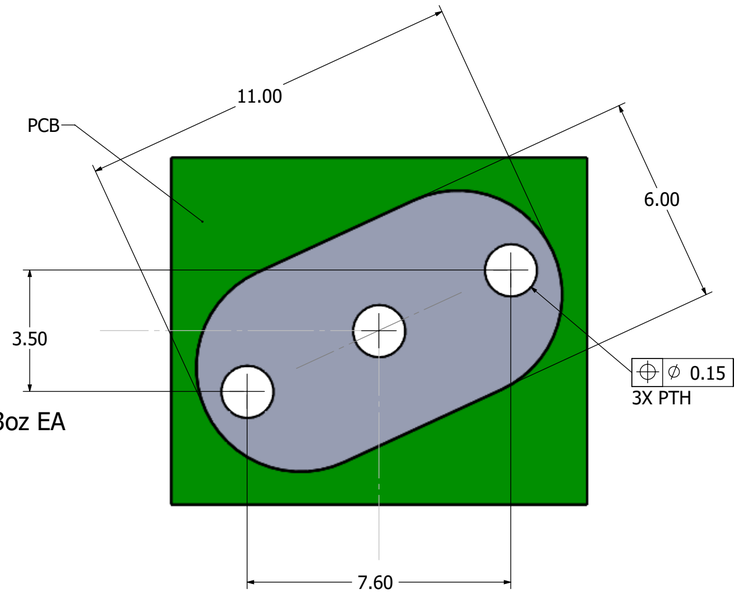
(TRAY PACKAGING ALSO AVAILABLE)



INSERTION TOOL GEOMETRY



PART #: IPX30013-T
CONSULT ENNOVI FOR DETAILS



SUGGESTED PCB PAD LAYOUT

* SEE HOLE CONSTRUCTION TABLE, BELOW
* OVAL PAD 3oz COPPER, BOTH SIDES OF BOARD
  RECOMMENDED: PCB TRACES, HEAVY COPPER TRACES, 2 LAYERS, 3oz EA

HOLE CONSTRUCTION TABLE		
		METRIC (mm)
REQUIRED PCB HOLE CONSTRUCTION (FR-4 Tg=170MIN)	DRILL (USE ∅1.6 METRIC DRILL)	∅1.600 ±0.025
	COPPER THICKNESS	0.050 ±0.025
	PLATED-THROUGH HOLE (PTH) DIAMETER	∅1.50 +0.04 -0.05
APPLICABLE FOR NOMINAL PCB THICKNESS 1.5mm OR THICKER CONSULT PRODUCT ENGINEERING FOR OTHER PCB THICKNESS PLATING, AND CONSTRUCTION		

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MM
TOLERANCES:
.X ±.1
.XX ±.07
.XXX ±.03
ANGULAR: ±2°

ENNOVI™

TITLE:	SCALE:	SIZE:
BusMate®, 9LAM PRESS-FIT 40-60 AMP, 0.8mm MATING BUSBAR	8:1	A2
DRAWING NO.: E-IPX30013	REV: D	SHEET: 2 / 2