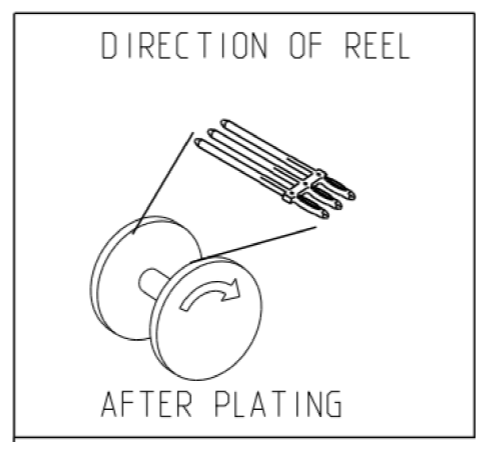
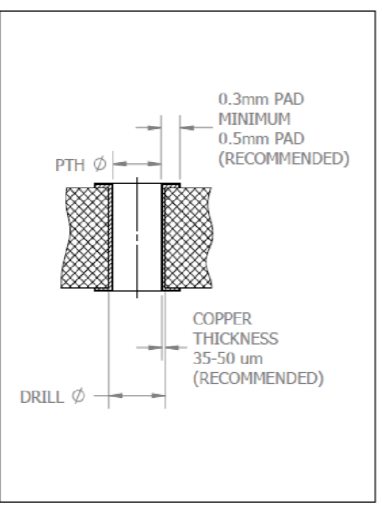


NOTES (UNLESS OTHERWISE INDICATED):

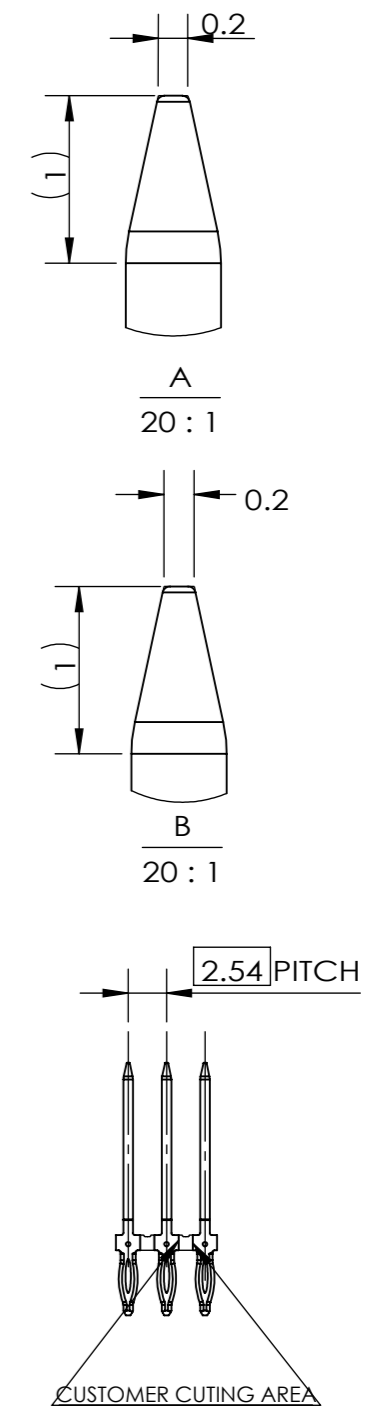
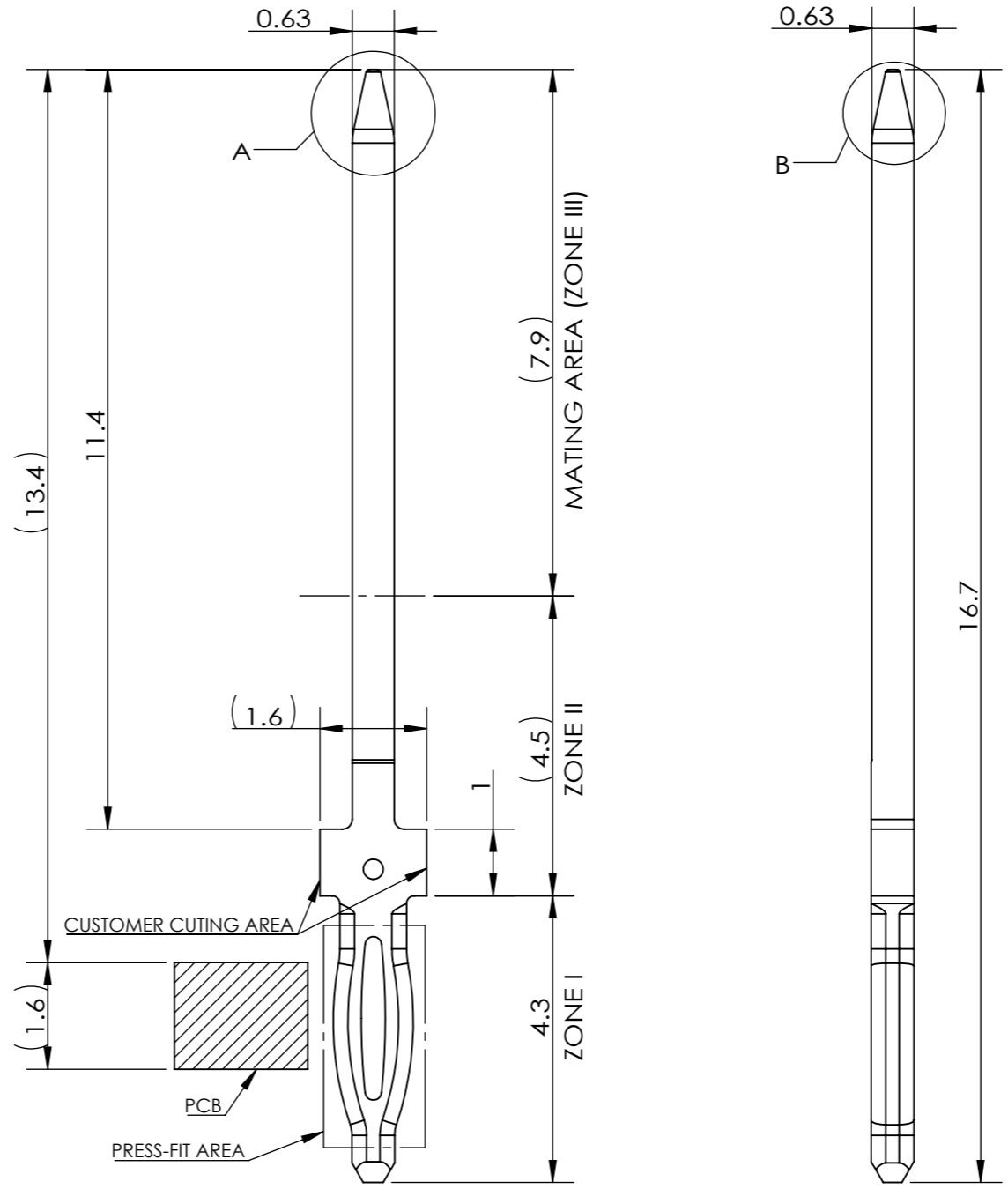
- MATERIAL: C19010, CuNiSi R580;
- OPERATION TEMPERATURE: -40~+150C
- PRESS-FIT AREA
ENNOVI STANDARD 0.64EON, OPTIONAL 0.64HFEON
- FINISH SPECIFICATION
ZONE I (PRESS-FIT AREA): INDICOAT, REFER TO BELOW PLATING TABLE
ZONE II: 0.76~1.5um MATTE Tin, 1.0~2.0um Ni; OR CUSTOMERIZED
ZONE III: TRANSITION AREA, Ni PLATING, Sn ALLOWED
- ALL DIMENSIONS AFTER PLATING
- PCB FINISH: RECOMMENDED ImmSn, OPTIONAL ImAg/OSP
PCB HOLE CONSTRUCTION: SEE BELOW CHART
- PRESS FIT DIMENSION REFER TO DRAWING E-MLG03035-APP;
PRESS FIT PLATING REFER TO DRAWING E-MLG03035-FIN.

PART NUMBER	ZONE I PRESS-FIT AREA "TOP PLATE"	ZONE I PRESS-FIT AREA "UNDERPLATE"
E-MLG03035-FIN-3 (INDICOAT)	0.3 - 1.1 μm [12 - 45 μin] • INDIUM • POST-PLATED • ELECTRODEPOSITED	1.0 - 3.0 μm [39 - 120 μin] • SULFAMATE NICKEL • POST-PLATED • ELECTRODEPOSITED

REQUIRED PCB HOLE CONSTRUCTION	DRILL (USE ϕ 1.15 METRIC DRILL)	METRIC (mm)
	COPPER THICKNESS	ϕ 1.150 \pm 0.025
PLATED-THROUGH HOLE (PTH) DIAMETER	ϕ 1.05 + 0.04 - 0.05 RECOMMENDED: 1.07 \pm 0.02	



REV.	ZONE	DESCRIPTION	DRAWN BY DD/MM/YYYY	CHECKED BY DD/MM/YYYY	APPROVED BY DD/MM/YYYY	CHANGE NO
A	-	INITIAL RELEASED	Yin LIU 2023-11-28	-	Sohrab.MORADI 2023-11-28	-
B		CHANGE TO ENNOVI DRAWING TEMPLATE	Yin LIU 2024-6-28		Sohrab MORADI 2024-6-28	



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM
FUNDAMENTAL TOLERANCING PRINCIPLE ISO 8015
FOR MISSING DIMENSIONS REFER TO 3D MODEL

GENERAL TOLERANCE: -

MATERIAL: CuNiSi R580 (C19010 R580)

WEIGHT: -

SURFACE FINISH: IndiCoat

THIRD ANGLE PROJECTION

DRAWN	SEE REVISION TABLE
CHECKED	
APPROVED	

ENNOVI™

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TITLE: 0.64 EON PRESS-FIT 0.63 SQUARE

SCALE: -

DRAWING NO.: IA6251

DESCRIPTION: -

SIZE: A3

SHEET: 1 / 1

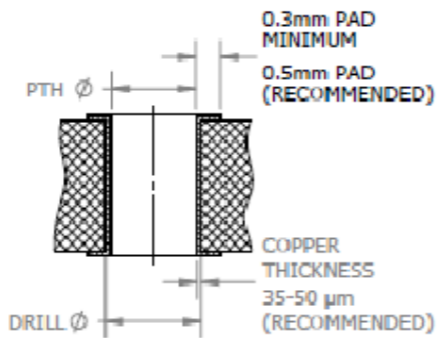
NOTES (UNLESS OTHERWISE SPECIFIED):

- MATERIAL:**
 - COPPER ALLOY; SEE CHART FOR OPTIONS
- EYE FINISH:**
 - POST-PLATED PER DRAWING E-MLG03035-FIN
- PCB HOLE REQUIREMENTS:**
 - SEE REQUIRED PCB HOLE CONSTRUCTION CHART
- MAX TEMP. RATING IS TEMPERATURE AT WHICH MATERIAL BEGINS TO STRESS RELAX. THE PCB GLASS TRANSITION TEMPERATURE RATING (T_g) MUST ALSO BE 20°C HIGHER THAN MAX APPLICATION TEMPERATURE FOR PROPER INTERFACE PERFORMANCE.**
- DIMENSIONS AND GEOMETRIES SHOWN ARE SYMBOLIC REPRESENTATIONS ONLY.**
- CONSULT PRODUCT ENGINEERING FOR POSSIBLE DIMENSIONAL CHANGES.**

AVAILABLE ALLOYS		
TYPE	% IACS	MAX. TEMP. RATING
PHOSPHOR BRONZE	13-18	125°C
HI-PERFORMANCE ALLOY	50	175°C
HI-CONDUCTIVITY ALLOY	75-80	200°C

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	9/14/2007	RLS
B	UPDATE	2/29/2008	RLS
C	ADDED PCB HOLE CONSTRUCTION SKETCH	4/4/2009	JDP
D	UPDATED AVAILABLE ALLOYS CHART	10/16/2009	JDP
E	UPDATED DRAWING VIEWS AND NOTES	12/05/2013	JDP
F	UPDATED ALLOY CHART, PRESS-FIT LGTH & ADD TOL.	06/20/2014	YF
G	UPDATED PCB HOLE CONSTRUCTION CHART NOTE	06/21/2014	YF
H	UPD. PCB HOLE CONSTRUCT. CHART, DIML. NOTES	04/18/2018	YF
J	UPD. DIM SCHEME, ADD NOTE#5 & #6, UPD. VIEWS & NOTES	10/30/2020	YF

		METRIC (mm)
REQUIRED PCB HOLE CONSTRUCTION	DRILL (USE $\phi 1.15$ METRIC DRILL)	$\phi 1.150 \pm 0.025$
	COPPER THICKNESS	0.050 ± 0.025
	PLATED-THROUGH HOLE (PTH) DIAMETER	$\phi 1.05 \begin{matrix} +0.04 \\ -0.05 \end{matrix}$

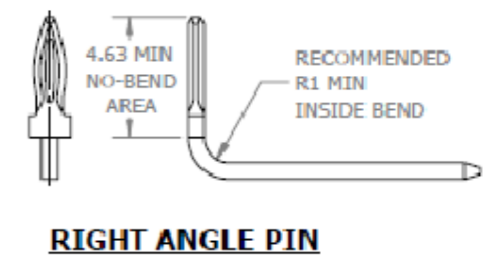
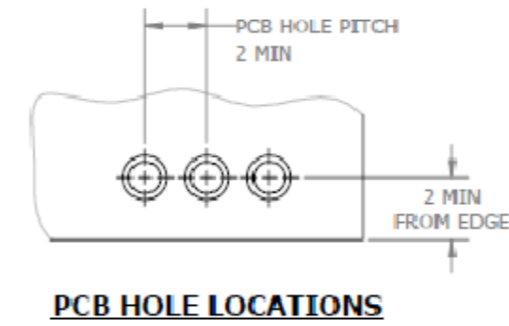
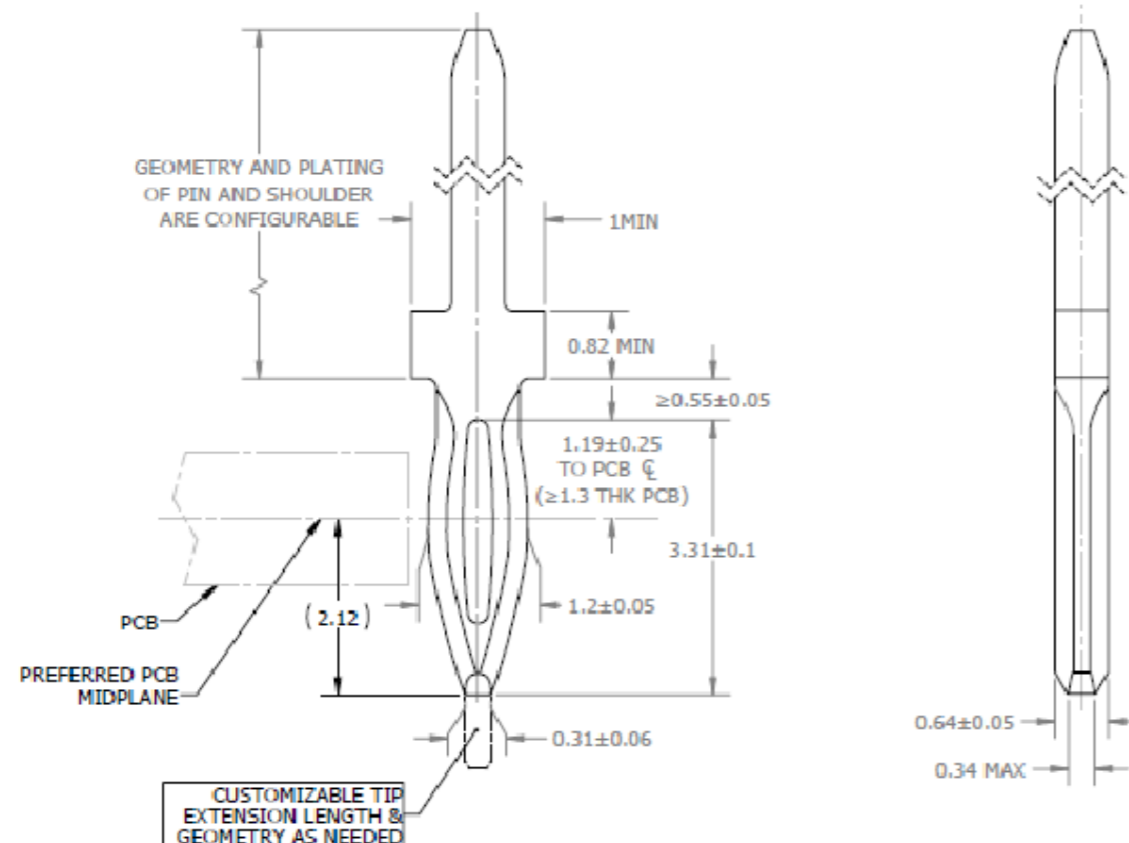
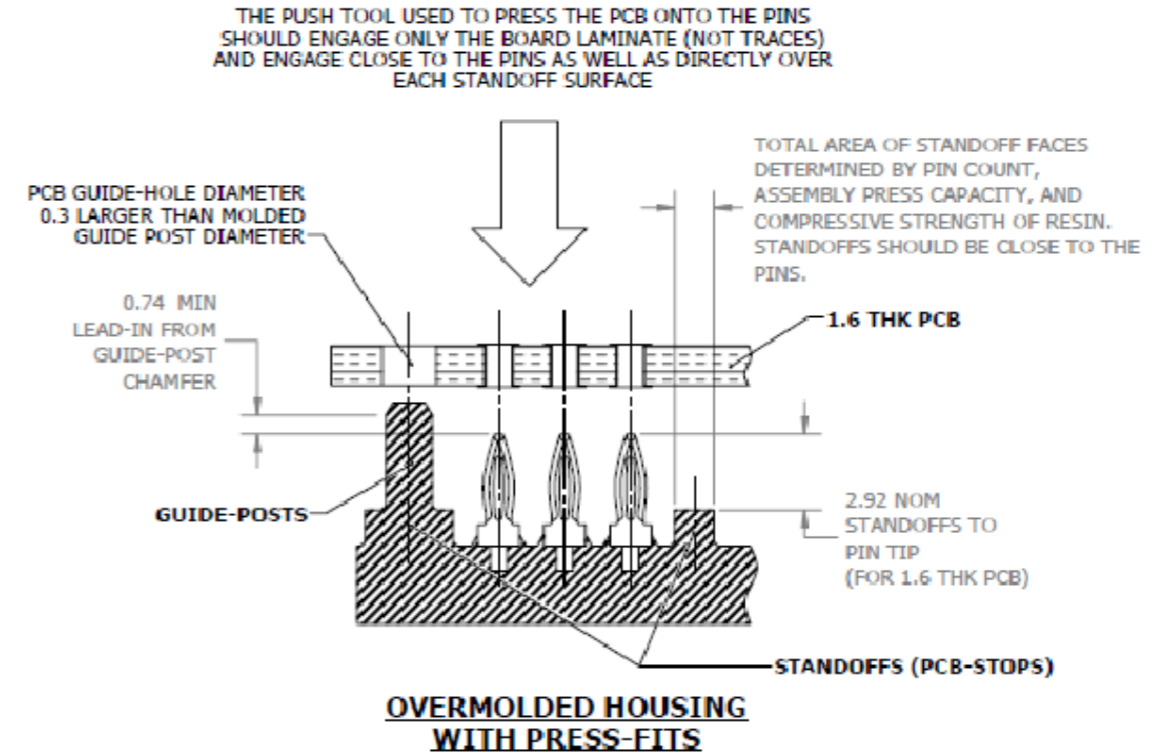


COMPATIBLE PCB HOLE PLATING OPTIONS:

- IMMERSION TIN
- IMMERSION SILVER
- ELECTROLESS NICKEL IMMERSION GOLD (ENIG)
- ORGANIC SOLDERABILITY PRESERVATIVE (OSP)

APPLICABLE FOR NOMINAL PCB THICKNESS 1.0mm OR THICKER.
CONSULT PRODUCT ENGINEERING FOR OTHER PCB THICKNESS, PLATING, AND CONSTRUCTION

SUGGESTED APPLICATION DESIGN PRACTICES



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UNITS: mm		NAME: V. RUIJDA		DATE: 10/02/2020	
MATERIAL: SEE NOTES		DRAWN: V. RUIJDA		CHECKED: C. TORIGIAN	
FINISH: SEE NOTES		P/R: 064_EON_105		TITLE: 0.64 EON PRESS-FIT APPLICATION	
DO NOT SCALE DRAWING		SIZE: C		DWG. NO.: E-MLG03035-APP	
				REV: J	
				SHEET 1 OF 1	