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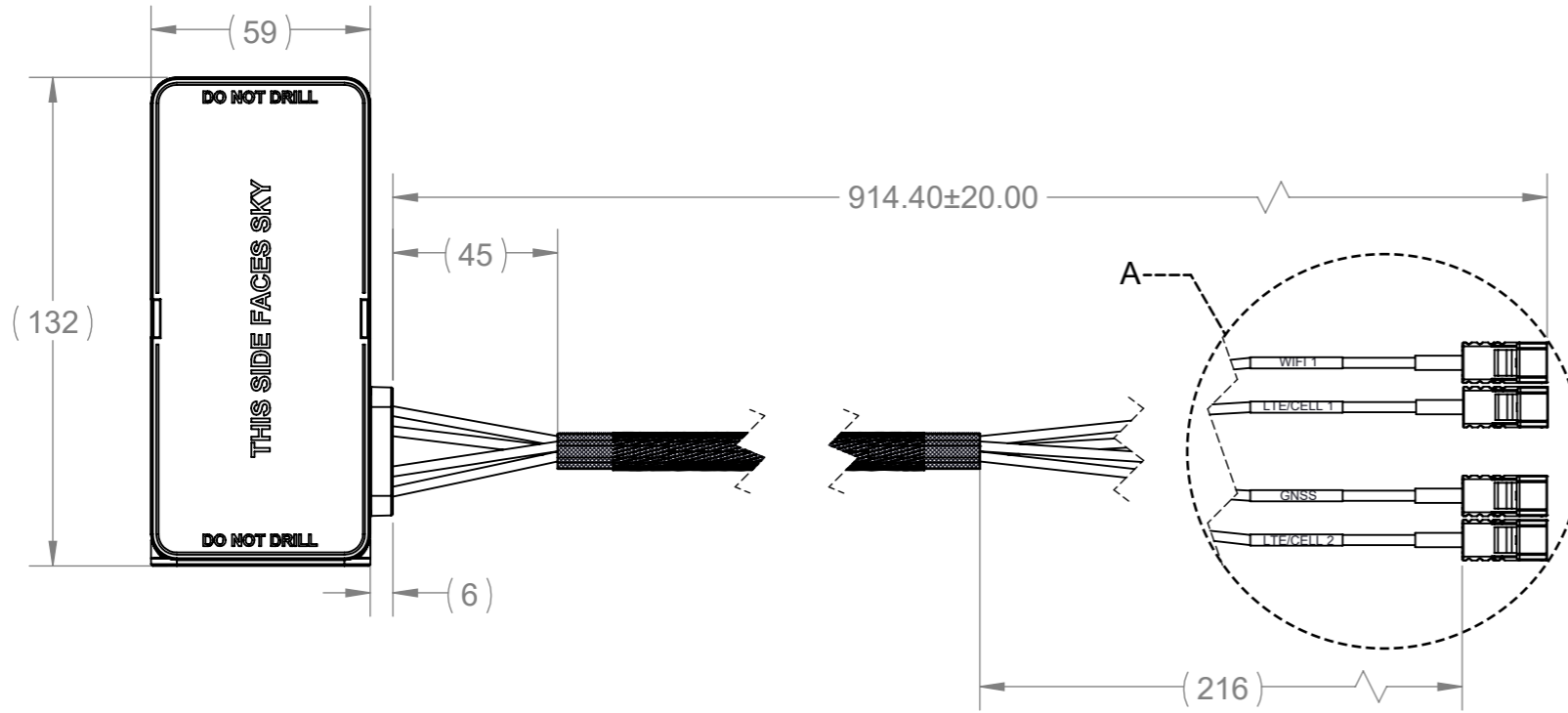
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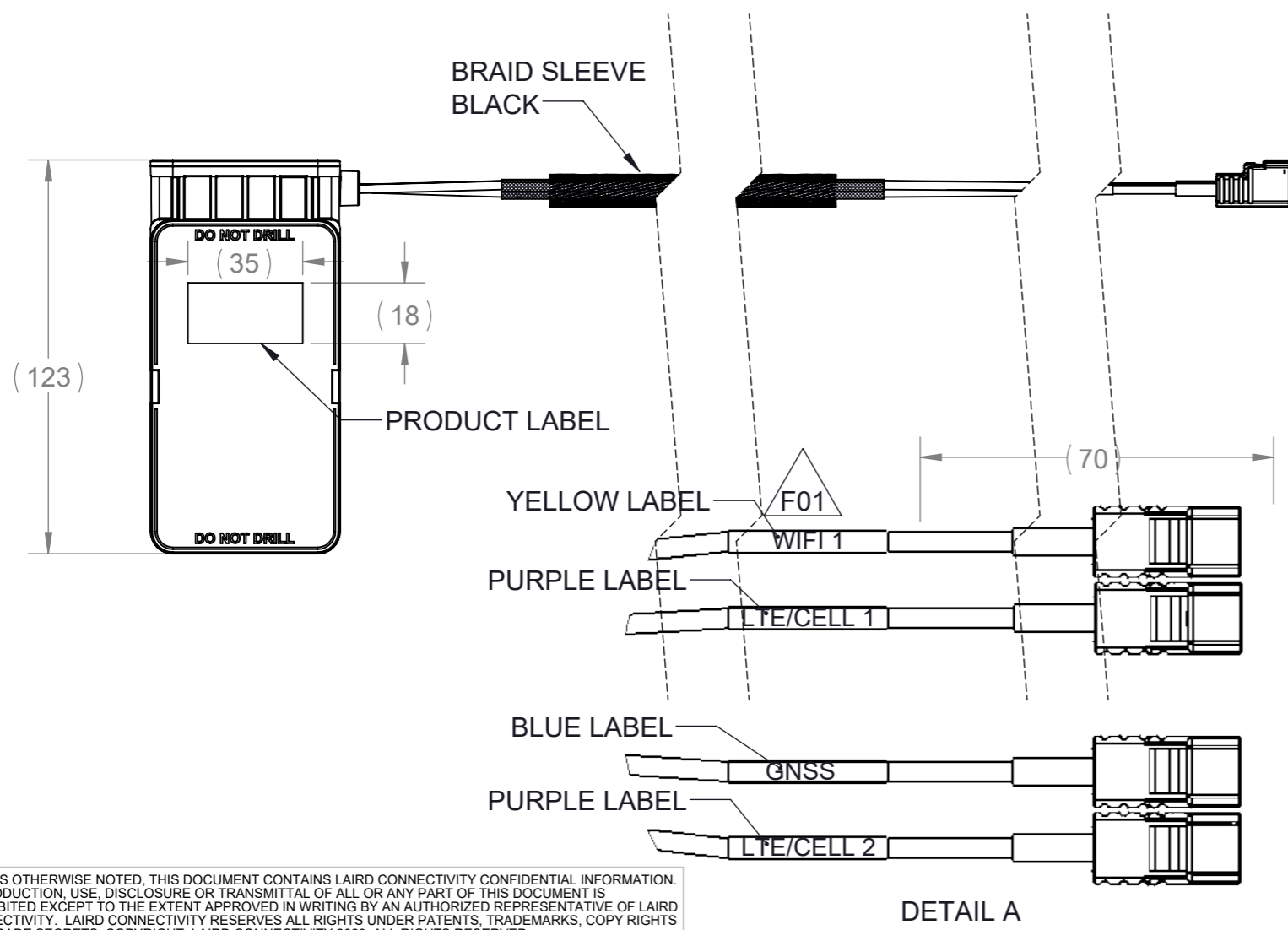
REVISIONS					
REV.	ECN #	ZONE	DESCRIPTION	CHANGED BY/DATE	APPROVED BY/DATE
F01	ECO-21-00198		NEW RELEASE	CYH 29APR21	WT NG 29APR21

D



C

B



DETAIL A

Parameter	Performance			
Laird Part Number	VQJ69595B-92FAK			
Electrical				
Frequency	698-960MHz / 1710-2700 MHz		2400-2500MHz / 4900-5900 MHz	
Peak Gain (dBi)	5		5	
Efficiency (Typical)	50%		40%	
VSWR	<3.1:1		<3.1:1	
Max Power - Ambient 25°C	5W			
GNSS				
Frequency	BeiDou: 1561.098 ± 2.046MHz	GPS: 1575.42 ± 1.023MHz	GLONASS: 1602 ± 5MHz	
Passive Gain	5dBic			
Active Gain	32dBic			
LNA Gain	28 ± 3dB			
Noise Figure	≤ 2.5dB			
OOB Rejection	698-960MHz >80dBc	1428-1511MHz >80dBc	1710-2700MHz >80dBc	4900-5800MHz >70dBc
Input Max Power	-10dBm			
Current Consumption	8.5 ± 3mA (at 3.0V)			
DC Voltage	2.5 ~ 7V			
Mechanical				
Weight	206g			
Housing Material	PC			
Housing Color	Black			
Housing Texture	MT11010			
Operating Temperature	-40°C ~ +85°C			
Storage Temperature	-40°C ~ +85°C			
Ingression Protection	IP67			
RoHS Compliance	Yes			
Coax Cable	LMR100 (or equivalent) - WIFI & CELL RG174 - GNSS			
RF Connector	1x Fakra Type C Jack (Blue) - GNSS 1x Fakra Type I Jack (Beige) - WIFI 1 2x Fakra Type D Jack (Purple) - LTE (CELL 1 & CELL 2) 2x Double Sided Foam tape (75x40x1.6mm Thk) 3M VHB 5962P			
Mounting Tape (Separate Pack)				

MATERIAL:

FINISH:

THIRD ANGLE PROJECTION



DO NOT SCALE DRAWING

APPROVALS		DATE
DRAWN BY	CY HANG	22JAN21
ELEC. ENG.	TY NG	22JAN21
MECH. ENG.	WT NG	22JAN21
MFG./OPS.	MATTHEW	22JAN21

INTERPRET DIMENSIONING AND TOLERANCING IN ACCORDANCE WITH ASME Y14.5M-2009

TOLERANCES UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN MILLIMETERS

ANGLE: ±30'  
0 PLACE DECIMAL: ±0.5  
1 PLACE DECIMAL: ±0.25  
2 PLACE DECIMAL: ±0.13

SURFACE ROUGHNESS 1.6



TITLE: TRIGGER, 4 PORTS MOUNTING & OUTLINE		
SIZE: A3	DWG. NO.: VQJ69595B-92FAKMO	REV: F01
SCALE: 1:2	PREVIOUS#	SHEET 1 OF 2

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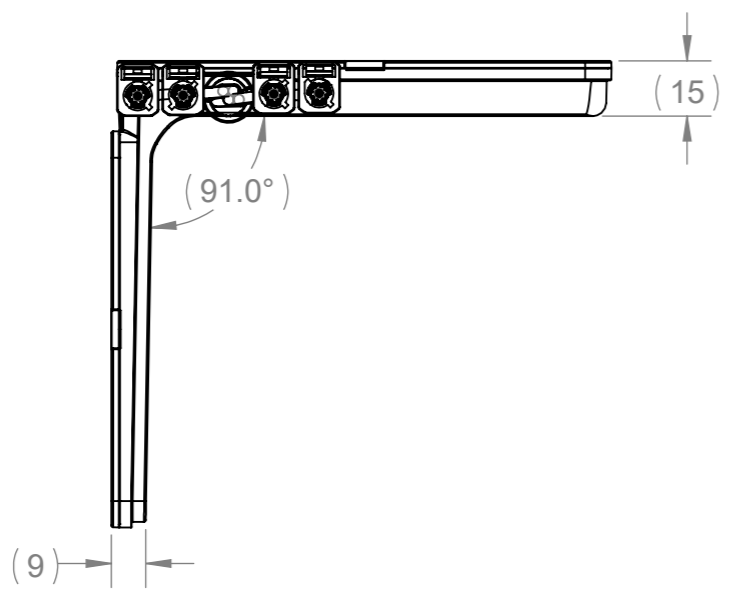
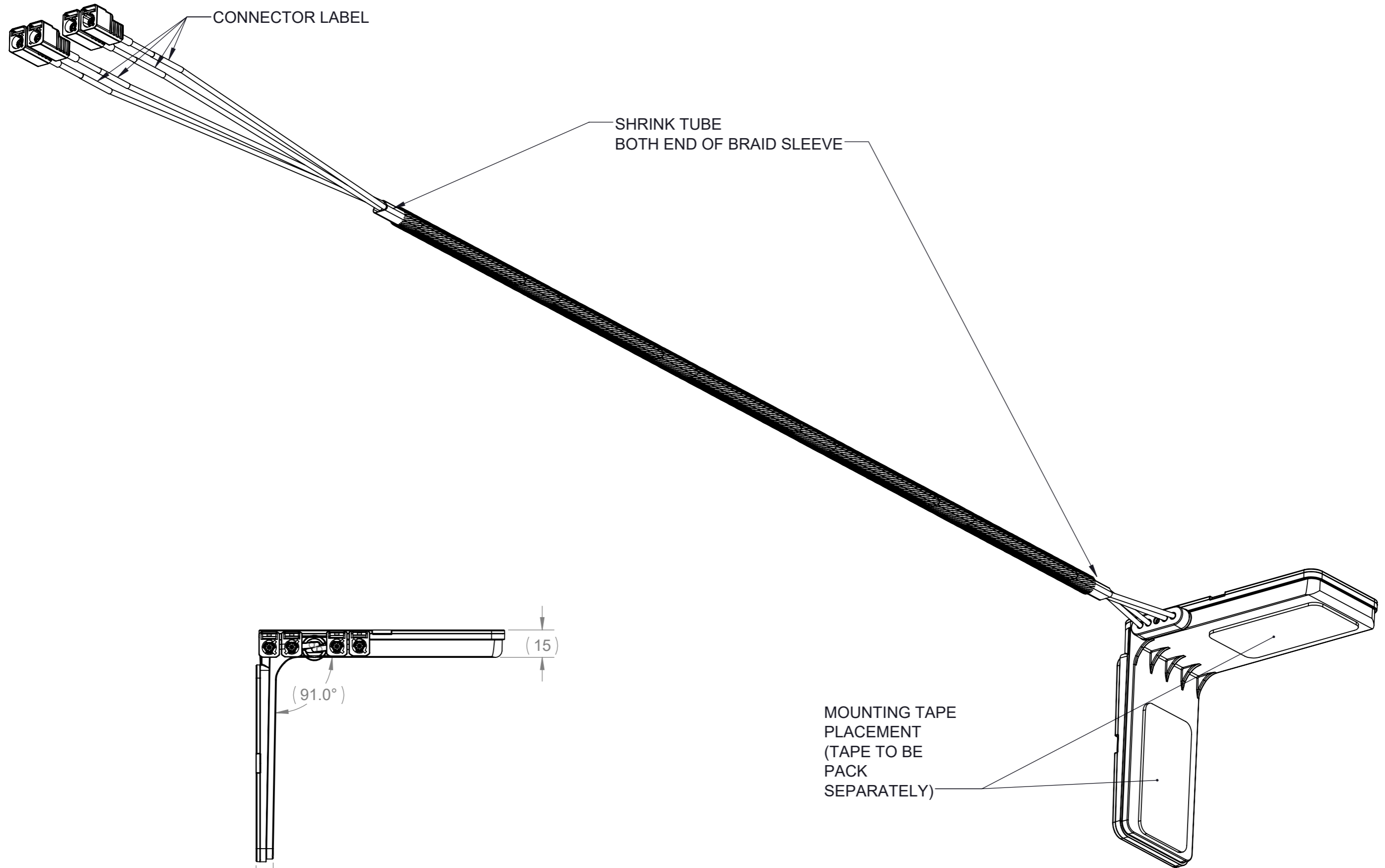
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A



DIMENSION SHOWN NOT INCLUDE MOUNTING TAPE

**Laird**™ CONNECTIVITY  
PENANG, MALAYSIA

SIZE	DWG. NO.	REV
<b>A3</b>	<b>VQJ69595B-92FAKMO</b>	<b>F01</b>
SCALE: 1:5	PREVIOUS#	SHEET 2 OF 2

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