				WORK I	INSTRUCTION		E	Effectivity Date:		March 31, 202	3
		Process Name/Title:		TAPI	NG ASSEMBLY	PROCESS	V	alidity Date:		n/a	
		Model Code/Part Numb	240B /	7M0514-7021	Customer:	TRJ	D	ocument No.:		WI-ENG-PDE-44	10A
		Purpose:	PROTOTY	Æ	PRE-LAUNCH	MASSPRO	R	Revision No.:	3	Page No.:	1 of 9
PARTS:	1. All pa	arts (Connector 6188-0066	6 (GR); AVSSf 0.3 Bla	ack wire L=825±3mm; MF	R SW CP (TVSSf 0.3 G	G-B/W wire L=830±3mm) ; Black Tape)		JIG:	Insertion Locking J	•	r
NO.	PF	ROCESS NAME		WORK	PROCEDURE/ IL	LUSTRATION		TOOLS/PPE	C	UALITY POIN	TERS
				r 6188-0066 (GR)/ nector Tray	Table Lay-	out	180	Safety Instruction Be sure to wear prescribed personal protective equipment during operation (gloves, finger cots, etc.)	1. Refer to Strip Lengt	references: WI-PRO-CNC-017 fo th Tolerance WI-PRO-KIT-005 for nyl tube	

Adaptor Jig

For any trouble, inform the Assembly Assistant Supervisor or Line Leader for immediate corrective action.

Tape holder/

Black tape

1. Maintain and always

practice 5's. 2. Personal things on the

workplace is prohibited. Keep it in your locker.

Alert level

Revision History Prepared by Reviewed by Approved by Noted by D.Castillo J. Loterte C. Villanueva Work instruction improvement. Inclusion of quality checkpoints (Page 9). A. Arañes 03/31/23 3

Merged Offline assembly process (WI-ENG-PDE-439) to P1 due to improvement. Transfer Half-warp and Taping 2 (Black 09/21/22 2 D.Castillo J. Loterte C. Villanueva A. Arañes Corrugated tube to wire near connector 6188-0066 (GR) process to P2. Update the Table Lay-out.

Change Pre-launch to Masspro. K. Doria J. Loterte C. Villanueva A. Arañes 03/31/22 03/29/22 0 Initial issue. K. Doria J. Loterte C. Villanueva A. Arañes

CHEC YOU INSERT

Locking jig

Eff. Date Rev. No Est. Date: Details of Change Revised Checked Approved

D. Castillo

C. Villanueva

1. No missing parts/tools

2. No excess parts/tools

March 29, 2022

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P1

Table Lay-out

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Insertion jig B (MR SW CP G-B/W)

Insertion jig A

(B-B wires)

AVSSf 0.3 Black Wire

L=825±3mm

MR SW CP (TVSSf 0.3

G-B/W Wire

L=830±3mm)

				WORK IN	STRUCTION		Effectivity Date:			March 31	, 2023
		Process Name/Title:		TAPIN	IG ASSEMBL	Y PROCESS	Validity Date:			n/a	
		Model Code/Part Number	240B /	7M0514-7021	Customer:	TRJ	Document No.:			WI-ENG-PE)E-440A
		Purpose:	☐ PROTOTYPE		PRE-LAUNCH	MASSPRO	Revision No.:		3	Page No.:	2 of 9
									1		
PARTS:	1. Conr	ector 6188-0066 (GR)						JIG	1. Insertio	on jig	
NO.	Р	ROCESS NAME		WORK	PROCEDURE/	ILLUSTRATION	TOOLS/I	PPE	Q	UALITY P	OINTERS
2	P1	Connector Setting 6188-0066 (GR)	I-MARK Lock Lock 1. Press the lock of institumb.	ON JIG ORIENTATION Visual Reference Press ertion jig using left	2. Insert the connect the lock. Note: Follow the con	Check the holes/terminal slot for B-B ires.	n/a		I-mark is 1. Use the 2. No wro 3. No wro	Illustra is align GOOD not align NG e provided jig ong orientation ong use of conmaged connection and the connection of the connectio	2 holes are open 4 holes are open per model of connector nector

		N. T.		WORK INSTRU		2500	Effectivity Date:		March 31, 2023
		Process Name/Title: Model Code/Part Number	240B /	7M0514-7021	Customer:	TRJ	Validity Date: Document No.:		n/a WI-ENG-PDE-440A
	U	Purpose:	PROTOTYPE		PRE-LAUNCH	■ MASSPRO	Revision No.:		3 Page No.: 3 of 9
PARTS:	1. AVS	Sf 0.3 Black wire L=825±3n	nm [2pcs.]					JIG	1. Insertion jig
NO.	Р	ROCESS NAME		WORK PROC	EDURE/ ILLUSTR	ATION	TOOLS/	PPE	QUALITY POINTERS
			CONNECTOR		SUAL REFERENCE	WIRE FACING			1. No wrong orientation of connector 2. No wrong use of connector 3. No damaged connector 4. No wrong insertion of wires 5. No loose insertion 6. No wrong insertion 7. One by one insertion 8. No deformed terminal 9. No wrong wire facing
3	P1	Wire insertion to Connector 6188-0066 (GR)		Black wire R		2 Black wire	n/a		Important reminders/Note/s: 1. Please hold the wire near terminal. 2. Make sure wires are properly inserted. Conduct Pull-Push-Pull-Push

1. Get the first Black wire then insert to terminal slot 1 using right hand.

(Note: Insertion of wires must be from left to right.)

2. Get the 2nd Black wire then insert to terminal slot 2 using right hand.

after insertion. Do not exert extra force.

Document references:

- 1. Refer to GL-PRO-ASY-029 for Pull-Push procedure.
- 2. Refer to WI-PRO-CNC-017 for Wire and Strip Length Tolerance

3. After insertion, push the lock using left thumb and then hold the wires and gently pull out the connector from the jig using right hand.



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					NSTRUCTION		Effectivity Date:			March 31, 2	2023
		Process Name/Title:		TAPI	NG ASSEMBL	Y PROCESS	Validity Date:			n/a	
		Model Code/Part Number	240B /	7M0514-7021	Customer:	TRJ	Document No.:			WI-ENG-PDE	-440A
		Purpose:	☐ PROTOTYP	E	PRE-LAUNCH	MASSPRO	Revision No.:		3	Page No.:	4 of 9
							•		1		
PARTS:	1. Assy							JIG	1. Insertio		
NO.	PF	ROCESS NAME		WORK	PROCEDURE/ I	LLUSTRATION	TOOLS/I	PPE	C	INTERS	
4	P1	Connector Setting 6188-0066 (GR) (Assy parts)	Lock Lock		Release	CONNECTOR ORIENTATION 1. Push the guide lock of insertion jig using right thumb. 3. Check the holes/terminal slot for G wire is open.	n/a		I-mark is 1. Use th: 2. No wro: 3. No wro:	Illustrati k is align GOOD s not align e provided jig peong orientation oong use of connector maged connector maged connector on the connector of the connect	1 hole is open 2 hole is open ar model of connector actor

BC	Process Name/Ti
	Purpose:

			WORK INSTRU	JCTI	ON			Effectivity Date:		March 3	1, 2023
Process Name/Title:			TAPING A	SSE	EMBLY PRO	Y PROCESS Validity Date: n/a					а
Model Code/Part Number: 240B / 7M0514-7		7M0514-7021		Customer:	TRJ		Document No.:		WI-ENG-P	DE-440A	
Purpose:	F	PROTOTYF	E		PRE-LAUNCH	MASSPR	0	Revision No.:	3	Page No.:	5 of 9

PARTS: 1. MR SW CP (TVSSf 0.3 G-B/W wire L=830±3mm) JIG 1. Insertion jig PROCESS NAME WORK PROCEDURE/ ILLUSTRATION TOOLS/PPE **QUALITY POINTERS** NO. INSERTION JIG ORIENTATION 1. No wrong orientation of connector Button 2. No wrong use of connector 3. No damaged connector 4. No wrong insertion of wires WIRE FACING 5. No loose insertion 6. No wrong insertion I-MARK Lock 7. One by one insertion VISUAL REFERENCE 8. No deformed terminal 9. No wrong wire facing B/W wire Important reminders/Note/s: 1. Please hold the wire near terminal. Wire insertion to 2. Make sure wires are properly P1 Connector 5 n/a inserted. Conduct Pull-Push-Pull-Push 6188-0066 (GR) Green wire after insertion. Do not exert extra force. 1. Get the MR SW CP wires then hold. Insert 2. Get the MR SW CP Black/white wire the G wire to terminal slot 1 using right hand. then insert to terminal slot 2 using right After insertion, press the button using right Document references: thumb and slot for B/W will be opened. hand. 1. Refer to GL-PRO-ASY-029 for Pull-Push procedure. 2. Refer to WI-PRO-CNC-017 for Wire and Strip Length Tolerance 3. After insertion, push the lock using left thumb and then hold the wires and gently pull out the connector from jig using right hand.

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Ī				Effectivity Date: March			31, 2023			
	Process Name/Title:		TAPING ASS	EMBLY PRO	DCESS	Validity Date:		n/a		
	Model Code/Part Number	240B /	7M0514-7021	Customer:	TRJ	Document No.:		WI-ENG-P	DE-440A	
	Purpose:	☐ PROTOT	PE	PRE-LAUNCH	MASSPRO	Revision No.:	3	Page No.:	6 0	

6 of 9 PARTS: 1. Assy parts JIG 1. Locking Jig NO. **PROCESS NAME WORK PROCEDURE/ILLUSTRATION** TOOLS/PPE **QUALITY POINTERS** Before pressing Important reminders/Note/s: 1. Manual locking may cause damaged **LOCKING JIG** connector 1. Use the provided locking jig per 6 P1 Connector Lock 1. Put the connector into locking jig using right hand model then press 2x. Check if properly locked. 2. No unlock/half-locked connector After pressing **Connector Cross Sectional View** GOOD Unlock Half Lock **Full Lock** Condition Condition Condition

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					WORK INSTRU				Effectivity Date:			March 31,	2023
		Process Name/Title:				SSEMBLY PR			Validity Date:			n/a	
		Model Code/Part Number:	240B		7M0514-7021	Customer:	T	RJ	Document No.:			WI-ENG-PD	E-440A
		Purpose:	☐ PI	ROTOTY	PE	PRE-LAUNCH		MASSPRO	Revision No.:		3	Page No.:	7 of 9
PARTS:	1. Assy 2. Black					3. Black Corruç	gated tube Ø5	L=670±6mm (with slit)		JIG	1. Adapte	or jig	
NO.		PROCESS NAME			WORK PRO	CEDURE/ ILLUS	STRATION		TOOLS/F	PPE	C	UALITY PO	DINTERS
7		Spot Taping	L		then mak	1. Fix the husing both e wires using left hance 2 windings of tape uition of spot taping m	hands. I, get the Black sing both hands		n/a		2. No per 3. No loc 4. No mis 5. No wro	e-out tape el-off tape sse tape ssing tape ong dimension ong use of tape	
8	P1	Wire insertion to Black Corrugated tube ø5 L=670±6mm (w/slit)		the 2 ass	uptor using left hand. y parts and put inside the		R	2. Hold the COT adaptor with wires using left hand, get the Black Corrugated tube (w/slit) Ø5 L=670±6mm using right hand and insert to COT adaptor. Pull the adaptor and push the COT (same timing) using both hands. Make sure all wires are inserted.	ADAPTOR	AJIG	11	ong use of part es left in betwe	s een the COT with

					WORK INSTR				Effec	ctivity Date:		<u> </u>	March 31	, 2023
		Process Name/Title:			TAPING	ASSEMBLY	PROC	ESS	Valid	dity Date:			n/a	
		Model Code/Part Number:	240B	1	7M0514-7021	Customer:		TRJ	Docu	ument No.:			WI-ENG-PD	E-440A
		Purpose:	PRO	TOTYP	Ē	PRE-LAUNCH		MASSPRO	Revis	ision No.:		3	Page No.:	8 of 9
									·					
PARTS:	1. Assy 2. Black	parts tape [1pc]									JIG	n/a		
NO.		PROCESS NAME			WORK PF	ROCEDURE/ IL	LUSTR	ATION		TOOLS/P	PPE	Q	UALITY PO	DINTERS
9	P1	Taping 1 Black Corrugated tube to wire near terminal	Start of tap	2 3	116±3mm 120±3mm 116±3mm	t	elack tape u aping at th ising both l	2. Measure from end of COT up to terminal 120±3mm and PCB 116±3mm then continue the taping process using both hands.	671	MEASURII TAPE	5 6 7 8 9 (1. Plea measu measu Docum 1. Plea taping 1. No flij 2. No pe 3. No lom 4. No m 5. No wi	p-out tape eel-off tape losse tape lissing tape rong dimensio rong use of tap	ed/verified n getting the :: PRO-ASY-001 for n pe

			WORK INSTRU	JCTION		Effectivity Date:		March 31	, 2023
	Process Name/Title:		TAPING A	SSEMBLY PRO	DCESS	Validity Date:		n/a	
	Model Code/Part Number:	240B /	7M0514-7021	Customer:	TRJ	Document No.:		WI-ENG-PE	DE-440A
	Purpose:	☐ PROTO	TYPE	PRE-LAUNCH	MASSPRO	Revision No.:	3	Page No.:	9 of 9
								<u> </u>	
PARTS: n/a						J	JIG n/a		
			3 QI	JALITY CHECK	POINTS				
Proper alignment B-B wires and hotme			flocked co		14-7021	No MISSIN	NG TA	GO	OOD OD