						WORK I	NSTR	RUCTION				Fffe	ectivity Date:			April 28, 202	3
			Process Name/Title:					ASSEMBLY F	PROCESS				dity Date:			n/a	
			Model Code/Part Number:	TM3	, .	7L0114-7020		Customer:	TRQS	<u> </u>			cument No.:			WI-ENG-PDE-3	14B
			Purpose:		ROTOTYPE	7 - 1 0 - 1 0 - 1 0 - 1		PRE-LAUNCH	I MAS				vision No.:		3	Page No.:	1 of 9
			<u> </u>														
PARTS:		1. Assy 2. Black	parts corrugated tube (no slit) Ø5 L	_=83±3mm					3. Black t 4. Gray U	ape rethane foam	t=4; 75mm ≯	(30mm)		JIG:	Continui Termina	ty checker jig I cover jig	
NC).	F	ROCESS NAME			WOR	K PR	OCEDURE/ ILLI	JSTRATION				TOOLS	/PPE		QUALITY POIN	ITERS
1		P2	Table Lay-out		rrugated tul.			ABLE LAY-OUT	Gray U	Continuity ch	ecker	2 2 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Safety Inst Be sure to prescribed protective e- uring operati finger cot Houseke 1. Maintain a practice . Personal thi vorkplace is p Keep it in you Alert le For any troub the Assembly upervisor or I or immediate action	o wear personal quipment ion (gloves s, etc.) eeping nd always e 5's. ings on the prohibited ur locker. evel evel evel ings on the prohibited ur locker.	1. No miss e 2. No exce	ing parts/tools ss parts/tools	
		la di di	of accellation in a discrete			Revision Histor	у			1	1	1	Prepare	d by	Reviewed by	Approved by	Noted by
10/07/22	2	Change terminal	of quality checkpoints olerance from 35+/-3mm to 35+/- ip on process no.4.quality pointenent. Work procedure/illustration	ers: Reminders	/notes and r	eferences in page n				C. Villanueva J. Loterte	A. Arañes C. Villanueva	n/a A. Arañes					
09/24/21	1		all process description and illustrat	ion; Change fr	om pre-launc	h to masspro			M. Catapar	g J. Loterte	C. Villanueva	A. Arañes			1/out / form		
08/02/21 Eff. Date	0 Rev. No	Initial issu	ee		etails of Cha	ange			M. Catapar Revised	g C. Villanueva Reviewed by	A. Shimamura Approved	A. Arañes Noted	J. Love Est. Date:		C. Villanueva ugust 02, 2021	./ A. Araños	n/a
	-		<u> </u>			<u> </u>		<u> </u>		•				•			

			W	ORK INSTRU	CTION		Effectivity Date:			April 28	, 2023
		Process Name/Title:		TAPING AS	SSEMBLY PRO	CESS	Validity Date:			n/a	а
		Model Code/Part Number:	TM3 / 7L	.0114-7020A	Customer:	TRQSS	Document No.:			WI-ENG-P	DE-314B
		Purpose:	☐ PROTOTYPE		PRE-LAUNCH	MASSPRO	Revision No.:		3	Page No.:	2 of 9
		<u> </u>									
PARTS:	1. Assy 2. Black				3. Black corrugate	ed tube (no slit) Ø5 L=83±3mm		JIG	1. Termir	nal cover jig	I
NO.	F	PROCESS NAME		WORK PROC	CEDURE/ ILLUST	RATION	TOOLS/F	PPE	QI	JALITY F	POINTERS
2		Wire insertion to Black corrugated tube Ø5 L=83±3mm (no slit)	1. Hold the wires using left get the terminal cover jig us right hand then insert the B wires using left hand.	sing slit) Ø5 B-B hand th	the corrugated tube (no L=83±3mm using right nen insert the B-B wires eft hand.	3. After insertion, remove the terminal cover jig using right hand.	TERMINAL COV	/ER JIG		ong usage c formed term	
3	P2	Y-Taping		No gap be	Correleft s	be. art taping at the middle of combined ugated tubes, then wind the tape to side , measurement from end of nector up to end of tape must be			2. No per 3. No loo 4. No mis 5. No wro 6. No wro 1. Used visualiza actuals 2. Do no	ssing tape ong use of to ong dimensi ortant remin YELLOW 1 ation of shi should be jot exert exce	inders/Note/s: FAPE easy ifting lines, but BLACK TAPE. essive force inding of tape.

				WORK INSTRUCT	ΓΙΟΝ		Effectivity Date	:		April 28	3, 2023
		Process Name/Title:		TAPING ASS	SEMBLY P	ROCESS	Validity Date:			n/	'a
		Model Code/Part Number:	TM3 /	7L0114-7020A	Customer:	TRQSS	Document No.:			WI-ENG-F	PDE-314B
		Purpose:	☐ PROTOTYP	E C	PRE-LAUNCH	MASSPRO	Revision No.:		3	Page No.:	3 of 9
PARTS:	1. Assy 2. Blac							JIG	n/a		
NO.		PROCESS NAME		WORK PROCE	DURE/ ILLU	STRATION	TOOLS	/PPE	Q	UALITY F	POINTERS
3	P2	Y-Taping (Continuation)	other side of corruga	elow Tape width shifting until it reach the ted tube (must be tape width) fting 9mm below idth Tape width Tape width	5. Wind corrugat check th	taping direction Tape shifting 1/2 below 4. Wind the tape backward 1/2 shifting. the tape 1/2 shifting going to other side of the tape then cut the tape. After taping, e condition of tape. ACTUAL assy parts	buth y/2		2. No pe 3. No lo 4. No m 5. No w 6. No w Imp 1. Used visualizantual s	I <u>YELLOW</u> zation of should be <u>E</u> se use calibring tape wh	inders/Note/s: TAPE for easy ifting lines, but BLACK TAPE. Prated/verified men getting the

				WORK INSTRUC			Effectivity Date:	April 28, 2023
		Process Name/Title:		TAPING AS	SEMBLY PR	OCESS	Validity Date:	n/a
		Model Code/Part Number:	TM3 /	7L0114-7020A	Customer:	TRQSS	Document No.:	WI-ENG-PDE-314B
		Purpose:	☐ PROTOTYPE		PRE-LAUNCH	MASSPRO	Revision No.:	3 Page No.: 4 of 9
							<u> </u>	
PARTS:	1. Assy 2. Black						JIG	n/a
NO.	P	ROCESS NAME		WORK PROCE	DURE/ ILLUS	TRATION	TOOLS/PPE	QUALITY POINTERS
4	P2	Taping 1 COT to wire near terminal	1. Hold the COT using Black tape using right taping using both hand	nand then start pre-	3. Confirm meatape up to term taping process 4. After conditions and the conditions are	mend of COT up to terminal pointed en continue the taping process using assurement of 35 +3/-1mm from end of minal pointed tip then continue the using both hands.		1. No flip-out tape 2. No peel-off tape 3. No loose tape 4. No missing tape 5. No wrong use of tape 6. No wrong dimension Important reminders/Note/s: 1. Please use calibrated/verified measuring tape when getting the measurement. Wire alignment tolerance 0 - 1 mm

				WORK	(INSTRU	CTION			Effectivity Date:		T	April 28, 2	023
		Process Name/Title:				SSEMBLY PF	ROCESS	3	Validity Date:			n/a	
		Model Code/Part Number:	TM3	/ 7L011	4-7020A	Customer:		TRQSS	Document No.:			WI-ENG-PDE	-314B
		Purpose:	PRO)TOTYPE		PRE-LAUNCH		MASSPRO	Revision No.:		3	Page No.:	5 of 9
PARTS:	1. Assy 2. Gray	parts Urethane foam t=4; 75mm X	30mm							JIG	n/a		
NO.	P	ROCESS NAME	<u> </u>	WO	RK PROC	CEDURE/ ILLUS	STRATIO	N	TOOLS/I	PPE	Q	UALITY PO	INTERS
5	P2	Urethane foam attachment		Conne Step 3: Attach R	thed the foam	Step 2: Get the Urethand		Step 4: Press the Urethane foam side by side after attachment.	n/a		2. No mi 3. No str Imp 1. Foam align. 2. Folloubased of 3. Do no foam. 4. Toler. connect	amaged Urethan issing Urethan retched Urethan portant remind in and connecte with the illustrate of stretch the control of the illustrate	e foam ne foam ers/Note/s: or must be ent sequence ion. Urethane ethane foam to -3mm.

In the second se									
			WORK INSTRUCTION		Effectivity Date:			April 28,	2023
		Process Name/Title:	TAPING ASSEN	MBLY PROCESS	Validity Date:			n/a	i
		Model Code/Part Number:	TM3 / 7L0114-7020A C	ustomer: TRQSS	Document No.:			WI-ENG-PI	DE-314B
		Purpose:	☐ PROTOTYPE ☐ PF	RE-LAUNCH MASSPRO	Revision No.:		3	Page No.:	6 of 9
	1						1		
PARTS:	1. Assy	parts				JIG	1. Conti	nuity checker	jig
NO.	F	PROCESS NAME	WORK PROCEDU	RE/ ILLUSTRATION	TOOLS/	PPE	Q	UALITY P	OINTERS
6	P2	CONNECTOR SETTING CHECKE Continuity Test		hearing NG buzzer, STOP and immediately CALL t, the attention of the leader. WAIT for further	n/a		2. No wr	oortant remir	

NB	C
PARTS:	1. Ass 2. Mas

7

			WORK INSTRUCTION	ON		Effectivity Date:	April 28, 2023
Process Name/Title:			TAPING ASSI	EMBLY PRO	DCESS	Validity Date:	n/a
Model Code/Part Number:	TM3	1	7L0114-7020A	Customer:	TRQSS	Document No.:	WI-ENG-PDE-314B
Purpose:		PROTOTYP	E 🗖	PRE-LAUNCH	MASSPRO	Revision No.:	3 Page No.: 7 of 9

sembled parts JIG n/a ster sample **WORK PROCEDURE/ ILLUSTRATION** TOOLS/PPE **QUALITY POINTERS PROCESS NAME** NO.



Assembled parts) using both

harness

hands.

(Master sample vs.



2. Check the connector lock, insertion, terminal, Taping condition and color of tape (PINK TAPE).



4. Check the Y-Taping condition.



3. Check the terminal, insertion and presence of Urethane foam attachment.

ACTUAL PRODUCT



5. Check the terminal, insertion and taping condition. Must no deformed terminal.

MASTER SAMPLE



1.No skip checking during inspection.

CONFIDENTIAL: Any misuse or misappropriation, including unauthorized copying, reproduction in any form, disclosure or publishing of this document or any information herein is strictly prohibited.

Visual/By Two's Inspection

		WORK	INSTRUCTION		Effectivity Date:			April 28,	2023	
	Process Name/Title:	TA	PING ASSEMBLY PROC	ESS	Validity Date:			n/a		
	Model Code/Part Number:	TM3 / 7L0114	1-7020A Customer:	TRQSS	Document No.:		WI-ENG-P		PDE-314B	
	Purpose:	☐ PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:		3	Page No.:	8 of 9	
					·		1	•		
PARTS:	n/a					JIG	n/a			
NO.	PROCESS NAME	WOI	RK PROCEDURE/ ILLUSTR	ATION	TOOLS/I	PPE	C	UALITY PO	OINTERS	
							1. No w	rong dimensio	n.	

435 ± 3mm

8 Measurement Or5mm State 1 1. For Hatsumono and Owarimono. 2. Please use calibrated/verified measuring tape when getting the measurement.

CONFIDENTIAL: Any misuse or misappropriation, including unauthorized copying, reproduction in any form, disclosure or publishing of this document or any information herein is strictly prohibited.

			WORK INSTRU			Effectivity Date:			April 28, 2	2023
Process 1	Name/Title:			SSEMBLY PRO		Validity Date:			n/a	
Model Co	de/Part Number:	TM3 /	7L0114-7020A	Customer:	TRQSS	Document No.:			WI-ENG-PDE	E-314B
Purpose:		☐ PROTOTY	PE	PRE-LAUNCH	MASSPRO	Revision No.:		3	Page No.:	9 of
								1,		
: n/a							JIG	n/a		
			<u>∕3</u> \ c	QUALITY CHECKP	OINTS					
5.0				710444	70004					
P2				/L0114	-7020A					
	sur all - Al	occupie.								
		0					0			
COOD										
GOOD										
						2				8
					MMMMMMMMMmmmmmmmmmmmmmmmmmmmmmmmmmmmmm	3		1)		
		000						1)	5	
NO GOOD						3		1)	(5)	
NO GOOD								4)	5	
NO GOOD								4)	5	
NO GOOD	1				2			4)	5	
	1							1)	5	
NO GOOD GOOD	1							1)	5	
	1							1	5	
		Inlocked	HalfLocked	Connector	2			1	5	
	1 No U			Connector	3 4 No Miss	sing Tape)	1	5	
	1 No U	Inlocked/ Missing Sp		Connector	2	sing Tape)	4)	5	