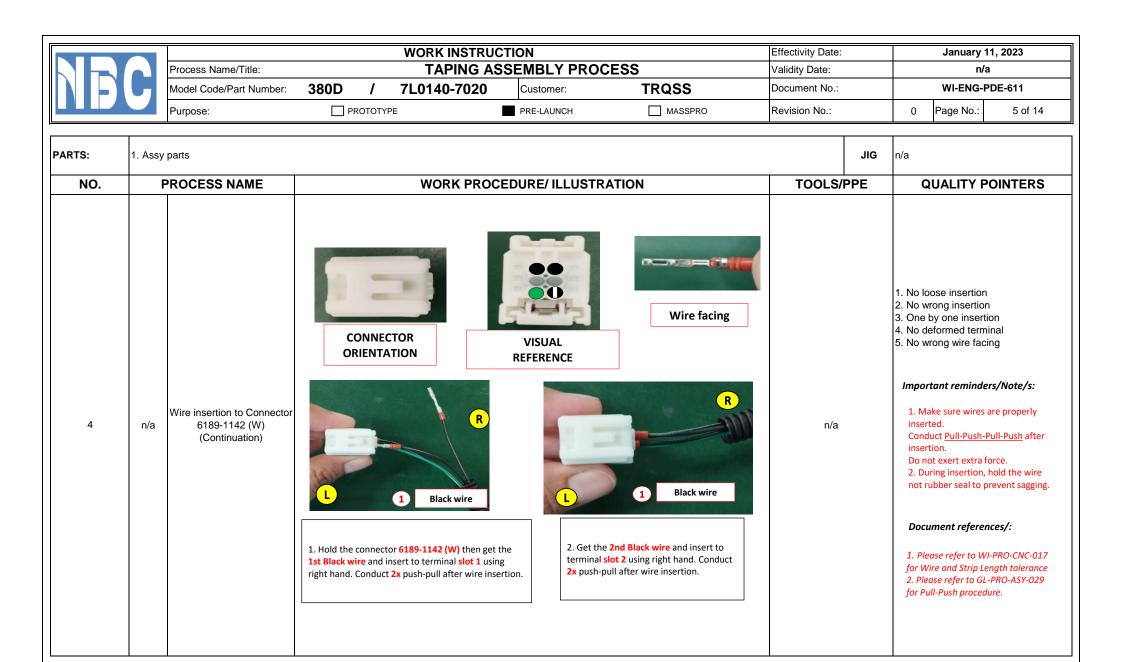
					WORK INST	RUCTION				Effe	ctivity Date:		January 11, 20	023
			Process Name/Title:		TAPING	S ASSEMBLY PR	ROCESS			Valid	dity Date:		n/a	
			Model Code/Part Number:	380D /	7L0140-7020	Customer:	TRQSS			Doc	ument No.:		WI-ENG-PDE-	611
			Purpose:	PROTO	TYPE	PRE-LAUNCH	☐ MASS	PRO		Revi	sion No.:	0	Page No.:	1 of 14
													•	
PARTS:		2. MR S	VM tube (Sunprene) ø5 L=10 W CP G-B/W wires L=692±3r of 0.3 wires B L=684±3mm [2p	nm							JIG:	n/a		
N	Ο.	Р	ROCESS NAME		WORK PI	ROCEDURE/ ILLUS	STRATION				TOOLS/PPE		QUALITY POIN	ITERS
1		n/a	Wire Insertion to Black VM tube (Sunprene) ø5 L=106±3mm	L		and B-B hold usi	ne G-B/W hotmelte wires L=684±3mm ng left hand. unprene tube ø5 L= nsert the G-B/W ho ng left hand.	using both ha	inds then	1 1 2. w	Safety Instruction e sure to wear requipersonal protective equipment during peration (gloves, fin cots, etc.)  Housekeeping  Maintain and alwa practice 5's. Personal things on orkplace is prohibit Keep it in your locke  Alert level or any trouble, info the Assembly Assista pervisor or Line Lear in immediate correct action.	red e 1. No wro ger 2. No def 2. No def 2. No def 3. No def 4. No wro def 4. No wro def 5. No def 5. No def 6. No de	ong use of parts ormed terminal  ocument reference/s use refer to WI-PRO-C and Strip length tolero	NC-017 for
					Revision History						Prepared by	Reviewed by	Approved by	Noted by
2444:											Intrology	( Star	South House	
01/11/23 Eff. Date	0 Day Na	Initial issu	ue.	5	-f Oh		M. Ariola	J. Loterte	C. Villanueva	A. Arañes	M. Ariòla	J. Lollerte	C. Villanueva	A. Arañes
Eff. Date	Rev. No			Details	of Change		Prepared	Reviewed	Approved	Noted	Est. Date:	January 11, 2023	<b>S</b>	

			WO	RK INSTRUCTION	ON		Effectivity Date:		January 1	11, 2023
		Process Name/Title:	•	TAPING ASSE	MBLY PROCE	ESS	Validity Date:		n/a	a
		Model Code/Part Number:	380D / 7L0	140-7020	Customer:	TRQSS	Document No.:		WI-ENG-P	PDE-611
		Purpose:	☐ PROTOTYPE		PRE-LAUNCH	MASSPRO	Revision No.:	(	0 Page No.:	2 of 14
		I								
PARTS:	1. Assy 2. Blac						JI	G		
NO.		PROCESS NAME	V	VORK PROCEDI	URE/ ILLUSTRA	TION	TOOLS/PPE		QUALITY P	OINTERS
2	n/a	Taping 1 Black VM tube (Sunprene) to Wire near terminal and PCB	Start of taping  Start of taping  L  60±3mi	2. Hold the Black taping pro	from end of sunpre	nen start	MEASURING TAPE 6 7 8 9 1 2 3 4 5 6 7	2. N 3. N 4. N 5. N	lo peel-off tape lo flip out tape lo loose tape lo wrong use of ta lo wrong dimension mportant reminde . Please use calin measuring tape vi the measurement	onr ers/Note/s: brated/verified when getting

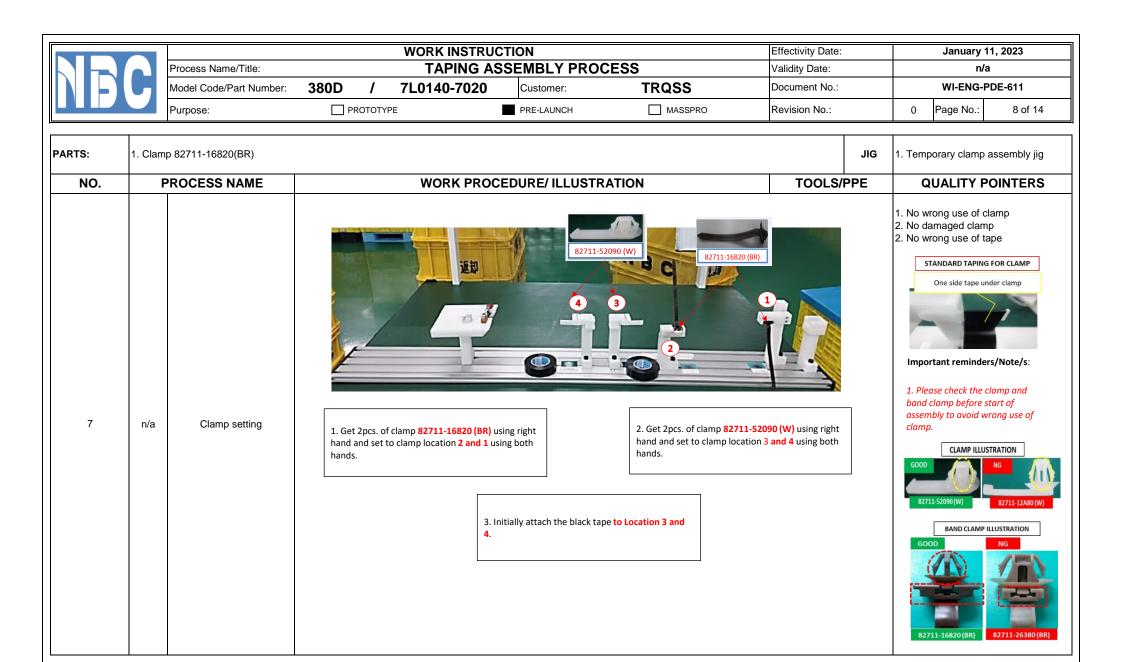
					WORK INSTRU				Effectivity				11, 2023
		Process Name/Title:				SSEMBLY PR			Validity Da			n	/a
		Model Code/Part Number:	380D	1	7L0140-7020	Customer:		TRQSS	Document	No.:		WI-ENG-	PDE-611
		Purpose:	PRO	ЭТОТУБ	PE	PRE-LAUNCH		MASSPRO	Revision N	0.:	0	Page No.:	3 of 14
	,								<u>'</u>				I .
PARTS:	1. Assy 2. Black	parts Corrugated tube (no slit) ø7	L=497±3mm							Jio	<b>G</b> n/a		
NO.	Р	ROCESS NAME			WORK PROC	CEDURE/ ILLUS	TRATION		TOO	LS/PPE		QUALITY	POINTERS
3	n/a	Wire insertion to Black Corrugated tube (no slit) ø7 L=497±3mm			wires using left hand, get then insert the G-B/W hotel					n/a	2. No	unlock/half-lo	jig per connector cked connector cked connector

					WORK INSTRU	CTION			Effectivity Date:			January	11, 2023
		Process Name/Title:			TAPING AS	SEMBLY	PROCESS		Validity Date:			n/	'a
		Model Code/Part Number:	380D	1	7L0140-7020	Custome	r:	TRQSS	Document No.:			WI-ENG-	PDE-611
		Purpose:	☐ PRO	TOTYPE		PRE-LAUN	СН	MASSPRO	Revision No.:		0	Page No.:	4 of 14
	1										1		
PARTS:	1. Assy 2. Conn	parts ector 6189-1142 (W) with inse	erted Dummy s	eal 716	65-0797 [2pcs]					JIG	n/a		
NO.	F	PROCESS NAME			WORK PROC	EDURE/ IL	LUSTRATIO	1	TOOLS/	PPE	QI	UALITY F	POINTERS
4	n/a	Wire insertion to Connector 6189-1142 (W)	ORII  1. Hold the co	nnector I insert to	-	ht	2. Get the Green	Wire facing  R  Green wire  wire and insert to ing right hand. Conduct wire insertion.	n/a		2. No wr 3. No da 4. No wr 5. No loo 6. No wr 7. One b 8. No de 9. No wr Importa 1. Please 2. Make inserted Conduct insertion Do not e	ong use of a maged con ong insertion one insertion ong insertion ong insertion ong wire factor on the factor of the	nector n of wires n n n n nition ninal cing  //Note/s: re near terminal. are properly ull-Push after rce.



PARTS:	C 1. Assy	Process Name/Title:  Model Code/Part Number:  Purpose:  parts	380D □ PF		-0140-7020	CTION SSEMBLY PR Customer: PRE-LAUNCH	OCESS TRQSS  MASSPRO	Effectivity Date: Validity Date: Document No.: Revision No.:	JIG	0 1. Lock	January 1 n/a WI-ENG-F Page No.:	3
NO.	F	PROCESS NAME			WORK PROC	EDURE/ ILLUS	TRATION	TOOLS/	PPE	C	UALITY P	OINTERS
5	n/a	Connector Lock	right hand a	nd then press a k the connecto		BEFORE PRESS	AFTER PRESSING	LOCKING	G JIG	2. No u 3. No d <i>Impo</i>	the provided j nlock/half-lock amaged lock ortant remind anual locking aged connecto	ers/Note/s: may cause

					WORK INSTRUC	CTION			Effectivity Date:			January	11, 202	23
		Process Name/Title:			TAPING AS	SEMBL'	PROCESS		Validity Date:			n	/a	
		Model Code/Part Number:	380D	1	7L0140-7020	Custome	r:	TRQSS	Document No.:			WI-ENG-	PDE-61	1
		Purpose:	i	ROTOTYPE		PRE-LAUI	CH	MASSPRO	Revision No.:		0	Page No.:	7	of 14
PARTS:	1. Assy 2. Black									JIG	n/a			
NO.	F	PROCESS NAME			WORK PROC	EDURE/ II	LUSTRATIO	N	TOOLS/	/PPE	C	UALITY I	POINT	ERS
6	n/a	Taping 2 Black Corrugated tube to Black VM tube (Sunprene)	tub 176	e up to the e	176±	3mm 9 5  1 2 76±3mm	ting, check the measuring	R	6 7 8 9 (1) 1 2 3		2. No fli 3. No lo 4. No w 5. No w Impo	eel-off tape ip out tape oose tape rrong use of rrong dimens ortant remin ase use calibr uring tape wh urement.	sion  ders/No	rified



				WORK INSTRUC	TION		Effectivity Date:		January	11, 2023
		Process Name/Title:		TAPING AS	SEMBLY PRO	CESS	Validity Date:		n	n/a
		Model Code/Part Number:	380D	/ 7L0140-7020	Customer:	TRQSS	Document No.:		WI-ENG	-PDE-611
		Purpose:	PRO	ТОТҮРЕ	PRE-LAUNCH	MASSPRO MASSPRO	Revision No.:		0 Page No.:	9 of 14
	1							1	1	
PARTS:	1. Assy	parts						JIG	1. Temporary clam	p assembly jig
NO.	F	PROCESS NAME		WORK PROCE	EDURE/ ILLUSTF	RATION	TOOLS/	PPE	QUALITY	POINTERS
8	n/a	Clamp Assembly	above picture; connector 618: Continue to set PCB and B-B w the toggle clarr  2. Initially tight location 1 and  3. Get the band the band clamp hands.	ten the band clamp on clamp 2 using both hands.  do gun using both hand and cut p on location 1 and 2 using both  and clamp cutter depends on the size of e.	QR Code label facil  BANDO  GOOD  Fixed s bando	CONNECTOR SETTING  CONNECTOR SETTING  DESCRIPTION ON CLAMP LOCATION 1  BANDO GUN ALIGNMENT  PERPENDICULARITY  NG  I clamp  28:13 ~ 4  OK  NG	BANDO GI	evae	1. No wrong use of 2. No damaged clar 2. No wrong use of  Important remind 1. Make sure no g stopper and terms  BANDO GUN IL  GOOD  RAT NOSEPIECE	mp tape  ders/Note/s: gap between inals

				WORK INSTRUC	TION		Effectivity Date:	January 11, 2023
		Process Name/Title:		TAPING AS	SEMBLY PR	OCESS	Validity Date:	n/a
		Model Code/Part Number:	380D /	7L0140-7020	Customer:	TRQSS	Document No.:	WI-ENG-PDE-611
		Purpose:	☐ PROTOTYPE		PRE-LAUNCH	MASSPRO	Revision No.:	0 Page No.: 10 of 14
PARTS:	1. Assy	parts						JIG 1. Temporary clamp assembly jig
NO.	P	ROCESS NAME		WORK PROC	EDURE/ ILLUS	TRATION	TOOLS/PP	E QUALITY POINTERS
8	n/a	Clamp Assembly (Continuation)	BANDO GUN POS  GOOD  Fixed setting band clam cutter: 3 ~	ITION ON CLAMP LOCATION 2  NG  HORIZONTAL LINE NG	QR Code labe  5. Hold the windings of hands. Con  6. Hold the windings of hands. Con  8. Con	CONNECTOR SETTING  It tape on clamp location 3. Make 3 If tape then cut the tape using both tinue the process on clamp location 4.  It tape on clamp location 4. Make 3 If tape then cut the tape using both tinue the process on label attachment  Induct POINT CHECKING before bying the harness from jig.	BANDO GUN  FLAT NOSEPIECE	1. No wrong use of clamp 2. No damaged clamp 2. No wrong use of tape  Important reminders/Note/s: 1. Make sure no gap between stopper and terminals  BANDO GUN ILLUSTRATION  GOOD  RAT NOSEPIECE  EXTENDED NOSEPIECE

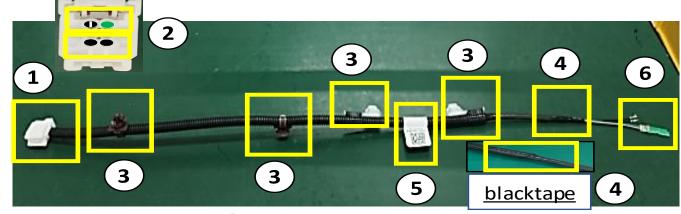
				WORK INSTRUC	TION			Effectivity Date	ē.	January 11, 2023
		Process Name/Title:		TAPING AS	SEMBLY PR	ROCESS		Validity Date:		n/a
	<b>G</b>	Model Code/Part Number:	380D /	7L0140-7020	Customer:	TRQ	SS	Document No.:		WI-ENG-PDE-611
		Purpose:	PROTOTY	YPE	PRE-LAUNCH	N	IASSPRO	Revision No.:		0 Page No.: 11 of 14
T										
PARTS:	1. Assy <sub>I</sub> 2. Label	oarts 7V8110-0020							JIG	n/a
NO.	Р	ROCESS NAME		WORK PROC	EDURE/ ILLU	STRATION		TOOLS	/PPE	QUALITY POINTERS
			Model Code	Item No. Item Name	40	Model code				
			7L0139-7020 7	3230-AQ040 Driver Manual			1. Get the label.  Note: Check the mod	del code, item		
			7L0140-7020 7	3230-AQ010 Driver PWR+MEM	73230-AQ010		no. & name	·		
			7L0141-7020 7	3230-AQ020 Driver Power	73230-AQ010 DRIVER PWR-MEM	→ Item no. & name				No bubbles     No damage
			4							No peel off     No wrong use of label
				2. Align the end	part of label		3. Fold the center	nart of the Jahol		No missing parts     No loose attachment
				in the jig.		DRIVER PWR+MEM	3. Fold the center	part of the label		7. No wrong usage of label
9	n/a	Label Attachment			7		A20	7		
J	TI/A	Laber Attachment		DRIVER PWR-MEM	73230-AQ010 DRIVER PWR+MEM					
						5.46				
				4. Align both end part	of label .	5. After both fin	alignment , Press the l gers .	abel with		
			480	3					•	
						73230-AQ010 RHER PUREMEN SINASSI		-		
			data				D	73230-AQ010 RIVER PWR+MEM		
			6. Press th	e label upside down using fir	ger.		ole overlap	NG		
						GOOD				

				WORK INSTRUC	CTION		Effectivity Date:	January 11, 2023
		Process Name/Title:		TAPING AS	SEMBLY PRO	CESS	Validity Date:	n/a
		Model Code/Part Number:	380D /	7L0140-7020	Customer:	TRQSS	Document No.:	WI-ENG-PDE-611
		Purpose:	☐ PROTO	ТҮРЕ	PRE-LAUNCH	MASSPRO	Revision No.:	0 Page No.: 12 of 14
PARTS:	1. Asse 2. Engir	mbled parts neering sample					JIG	n/a
NO.	F	PROCESS NAME		WORK PROC	EDURE/ ILLUSTF	RATION	TOOLS/PPE	QUALITY POINTERS
10	n/a		1. Conduct alignm harness (Engineer vs. assembled par both hands.	con terr	check the connector lock addition, insertion and minal.  4. Check the condition.  5. Check the QR Coofacing.	e taping	3. Check the Y-Taping condition, presence of all clamp attachment, taping condition and band clamp cut condition.  6. Check the Terminal and PCB appearance, Must be no deformed terminal.	ENGINEERING SAMPLE  CLAMP ILLUSTRATION  GOOD  BAND CLAMP ILLUSTRATION  BAND CLAMP ILLUSTRATION  GOOD  NG  BAND CLAMP ILLUSTRATION  SETTI-12A80 (W)  BAND CLAMP ILLUSTRATION  SETTI-16820 (BR)  SETTI-26380 (BR)

I <del>r.</del>												
					WORK INSTRUC			Effectivity Date:			January 1	
		Process Name/Title:				SSEMBLY PROC		Validity Date:			n/a	
		Model Code/Part Number:	380D		7L0140-7020	Customer:	TRQSS	Document No.:			WI-ENG-P	PDE-611
		Purpose:	PF	ROTOTY	(PE	PRE-LAUNCH	MASSPRO MASSPRO	Revision No.:		0	Page No.:	13 of 14
PARTS:	n/a								JIG	n/a		
NO.	F	PROCESS NAME			WORK PROC	EDURE/ ILLUSTR	ATION	TOOLS/	PPE	G	QUALITY P	OINTERS
11	n/a	Measurement	21		208± 3mm  208± 3mm	97± 3mm 103± 35± 3mm	3mm 177± 3mm	112± 5mr  MEASURING TAR  6 7 8 9 40 1 2 3 4 5 6	7 8 9	1. Plea measu measu 2. For I	tant reminder use use calibrat ving tape wher rement. Hatsumono and vrong dimensio	ed/verified o getting the d Owarimono.

NEC			ASSEMBLY PROC		Validity Date:			n/a			
		380D / 7L0140-7020	Customer:								
	1	380D / 7L0140-7020 Customer: TRQS		TRQSS	Document No.:	l		WI-ENG-PD	DE-611		
	Purpose:	☐ PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:		0	Page No.:	14 of 14		
							<del></del>				
PARTS: n/a						JIG	n/a				
			QUALITY CHECKPO	INTS							
P1											







- **NO GOOD**
- 1 NO UNLOCKED/ HALF LOCKED CONNECTOR
- 2 No WRONG INSERT No Terminal Backing Out
- 3 No MISSING CLAMP [4pcs]

- 3 Checking of Clamp attachment
- 4 No Missing tape
- 5 NO MISSING QR CODE No wrong facing of QR CODE

Proper alignment of B/B wires and hotmelt

6 NO Deformed terminal

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