				<b>WORK INSTR</b>	UCTION		Eff	fectivity Date	:	Febr	uary 3, 2023	
		Process Name/Title:		TAPING A	SSEMBLY PROCES	S	Va	lidity Date:			n/a	
		Model Code/Part Number:	120D /	75S184-0281	Customer:	TRJ	Do	cument No.:		WI-EI	NG-PDE-625	
		Purpose:	PROTOTY	PE	PRE-LAUNCH	MASSPRO	Re	evision No.:	1	Page No.:	1 o	f 14
PARTS:	1. Coni	nector PBVP-10V-S (W) [2	pcs]						JIG:	1. Insertion jig		
NO.	Р	ROCESS NAME		WORK PRO	CEDURE/ ILLUSTRATION	ON		TOOLS	S/PPE	QUAI	ITY POINT	ΓERS
1	P1	Connector setting to insertion jig PBVP-10V-S (W)		Upper guide Upper Button Lower guide Lower lever  1. Get th transfer Note: Fc	Connector orientation  75\$184-0281  R  8 Ø8  8 Ø8  R  Press  Sing left hand in same timing. Hol	insert to insertion jig.	then	Safety Ins Be sure t prescribed protective e during operat finger co  Housek 1. Maintain practic 2. Personal tl workplace is Keep it in ye  Alert For any trou the Assembl Superviso Leader for i corrective	eeping and always te 5's. hings on the prohibited. our locker.  level ble, inform ly Assistant or or Line mmediate	2. No wrong u	rientation of co	
				Revision History					Prepared by	: Checked by:	Approved by:	Noted by:
02/03/23 1	Change	purpose from Pre-launch to M	lasspro.			M. Ariola J. Lote	rte C. Villanue	eva A. Arañes				
01/31/23 0		ue. Change all wires length. (Sunprene) from L= 133±3m		VM tube (Sunprene) from	n L=129±3mm to 121±3mm ; Blue	K. Doria J. Lote		eva A. Arañes	M. Arigla	J. Lowerte	forf) for C. Villanueva	A. Araries
Eff. Date Rev. No	0		Details of	Change		Prepared Review	red Approve	d Noted	Established I	Date: Janu	ary 31, 2023	

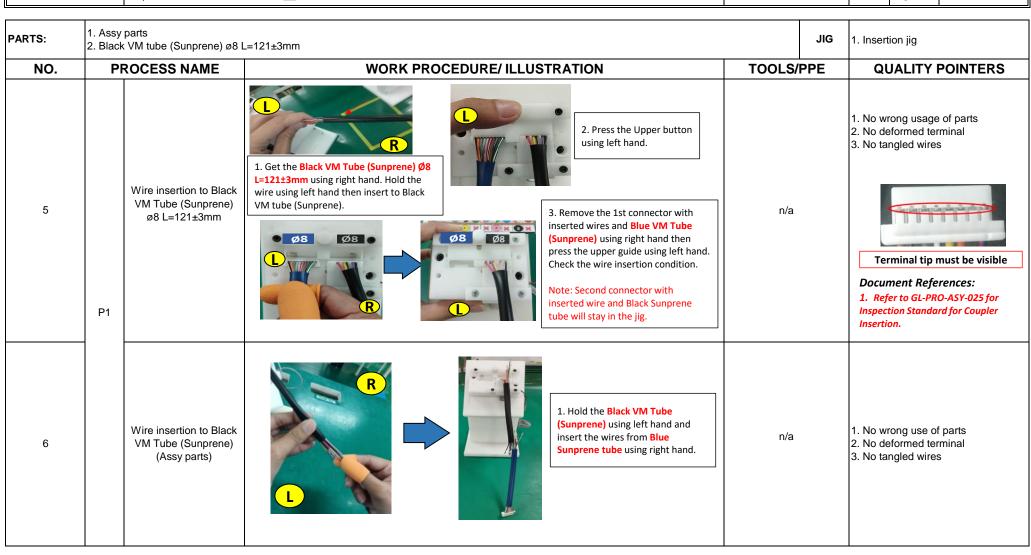
			WORK IN	ISTRU	JCTIC	ON					Effectivity Date:			February	3, 2023	
		Process Name/Title:	TAPIN	IG AS	SEM	IBLY P	ROC	ESS			Validity Date:			n/	'a	
		Model code/Part number:	120D / 75S184-0	0281	Cu	stomer:		TRJ			Document No.:			WI-ENG-	PDE-625	
		Purpose:	PROTOTYPE		☐ PRI	E-LAUNCH		N	MASSPR	)	Revision No.:		1	Page No.:	2 of '	14
		<u> </u>											<u> </u>			
PARTS:			m; OR wire L=309±2mm; GR wire L: mm; G wire L=161±2mm; W/G wire							m; R/W wire	L=299±3mm; BR	JIG	1. Inserti	ion jig		
NO.	PF	ROCESS NAME	WORK	PROC	EDUR	RE/ ILLU	STR	ATION			TOOLS/	PPE	QL	JALITY F	POINTER	RS
2	P1	Wire insertion to Connector PBVP-10V-S (W)	INSERTION SEQUENCE FROM LEFT TO RIGHT	B/W 327	Wire face  2  OR  309	3 4 GR LG 173 315	en inser		8 R/L 301	9 10 G W/G 161 159	STEERIN	NG ION	2. No wr 3. One b 4. No wr 5. No de 6. No stu Import 1. Pleas termina 2. Inser left to r 3. Make inserted Conductinsertio Do not Docum 1. Refer Steering procedu 2. Refer Wire ar 3. Refer	e sure wires d. ht <u>Pull-Push-</u> nn. exert extra ; nent <b>Refer</b> r to WI-ENG g Navigation	of parts rtion on minal inal tip  nders/Note wire near ertion. e must be fro are properl force. e-PDE-044 fo n Controller -CNC-017 fo gth Tolerand	re/s: om ly fter or ce
3		Wire insertion to Blue Sunprene tube ø8 L=121±3mm	Blue VM tube(Sunprene)	) F				tube ø using l transfo Hold t hand a	88 L=121 left hand er to righ he wires	I and nt hand. I using left rt the wires	N/A		2. No de	rong usage eformed teri ngled wires	minal	



				W	ORK INSTRU	UCTION			Effectivity Date:			February	y 3, 2023
		Process Name/Title:				SSEMBLY P	ROCES	S	Validity Date:			n/	/a
		Model code/Part number:	120D	/ 7	5S184-0281	Customer:		TRJ	Document No.:			WI-ENG-I	PDE-625
		Purpose:	☐ PRO	OTYPE		☐ PRE-LAUNCH		MASSPRO	Revision No.:		1 F	Page No.:	3 of 14
		1 '							<u> </u>				
PARTS:	1. AVS	S 0.3 R wire L=159±2mm;	Y wire L=163±2	mm; GR/l	/B L=165±2mm; V v	wire L=169±2mm;	B wire L=17	71±2mm		JIG	1. Insertio	on jig	
NO.	Р	ROCESS NAME			WORK PROC	EDURE/ ILLU	JSTRATIO	ON	TOOLS/	PPE	QU	ALITY F	POINTERS
4	P1	Wire insertion to Connector PBVP-10V-S (W)	INSERTION SE	<b>X 6</b> 5 (	FROM LEFT TO RIGHT	1 2 3  X X 159  Note: Hole be insert of	Wire f	GR/B V B X 169 171	STEERIN NAVIGATI	IG ION	2. No wro 3. One by 4. No wro 5. No def 6. No stu  Import 1. Pleas termina 2. Inser left to r 3. Make inserted Push af Do not  Docum 1. Refer Steering proceda 2. Refer Wire an 3. Refer	ong usage y one insertion ong insertion formed terri ick of termi tant remir se hold the al during in rition of Wi right. e sure wire d. Conduct fter insertion exert extra exert extra inent Refer r to WI-EN ig Navigati ure. r to WI-PR ind Strip Lei	rtion on minal inal tip  mders/Note/s: e wire near nsertion. ire must be from es are properly t Pull-Push-Pull- ion. a force.  rences: IG-PDE-044 for ion Controller ength Tolerance O-ASY-029 for



7					WORK INSTR	UCTION		Effectivity Date:		February	3, 2023
		Process Name/Title:			TAPING A	SSEMBLY PRO	CESS	Validity Date:		n/	a
	<b>NI-</b> )	Model code/Part number:	120D	/ 75S184-0281 Customer:		TRJ	Document No.:		WI-ENG-PDE-625		
		Purpose:	□Р	ROTOTY	PE	PRE-LAUNCH	MASSPRO	Revision No.:	1	Page No.:	4 of 14



					WORK INS	TDII	TION	\I					Effectivity Date:			February	3 2023	
		Process Name/Title:						N BLY P	<u> </u>	EGG			Validity date			n/	*	
		Model Code/Part Number:	120D		75S184-0			ustomer:	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	TRJ			Document No.:			WI-ENG-I		
		Purpose:		ОТОТУ				RE-LAUNCH			MASSPRO		Revision No.:		1	Page No.:	5 of 14	4
PARTS:	1. Assy	parts												JIG	1. Insert	tion jig		
NO.	P	PROCESS NAME			WORK F	PROC	EDUF	RE/ ILLU	STRA	TION			TOOLS/	PPE	Q	UALITY F	OINTERS	;
7	P1	Wire insertion to PBVP-10V-S (W) (Assy parts)	VISU	Ø8	NCE FROM LEFT TO  FEFERENCE	1 R/W 299	2 OR 309	WIRE  3 4 R R/L 159 301	5 Y 163	6 7 GR/B LG 165 315  1. Press th using right that need only open	8 V 169 The Lower thand. He to be instituted by the lower thand the lower thand.	9 10 B B/W 171 327 button loles sert are	STEERIN NAVIGAT	IG ION	1. No wi 2. No de 1. Ple termi 2. Ma insert Condu insert Do no Docui 1. Rej Steeri procei 2. Refi and Si 3. Ref	rong use of performed terminase hold the inal during in it is sure wire ted. The inal during in it is exert extra ment Reference for to WI-ENGing Navigation dure. The is will-produce to the inplantation of the inal during the inguity of the ingui	arts inal  ders/Note/s wire near sertion. s are properl -Pull-Push af force. nces: -PDE-044 for n Controller	's: ly fter Wire
					Repeat the proces insertion sequence				res. Ch	eck the wire at	fter inser	tion.						

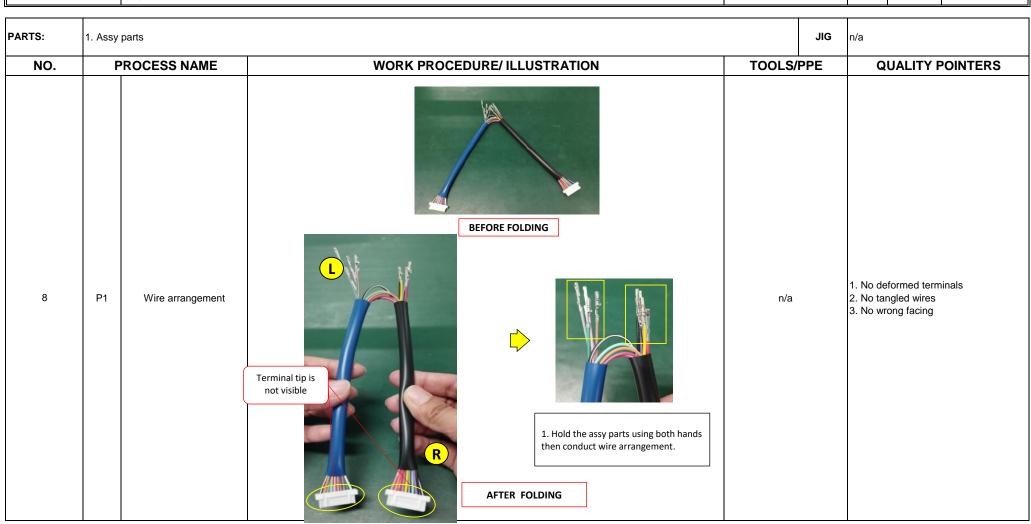
NBC		BC
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			WORK INSTRU	ICTIC	ON		Effectivity Date:		February	3, 2023
Process Name/Title:			TAPING A	SSE	EMBLY PRO	CESS	Validity date		n/a	а
Model Code/Part Number:	120D	1	75S184-0281		Customer:	TRJ	Document No.:		WI-ENG-F	PDE-625
Purpose:	□ P	ROTOTYI	PE		PRE-LAUNCH	MASSPRO	Revision No.:	1	Page No.:	6 of 14

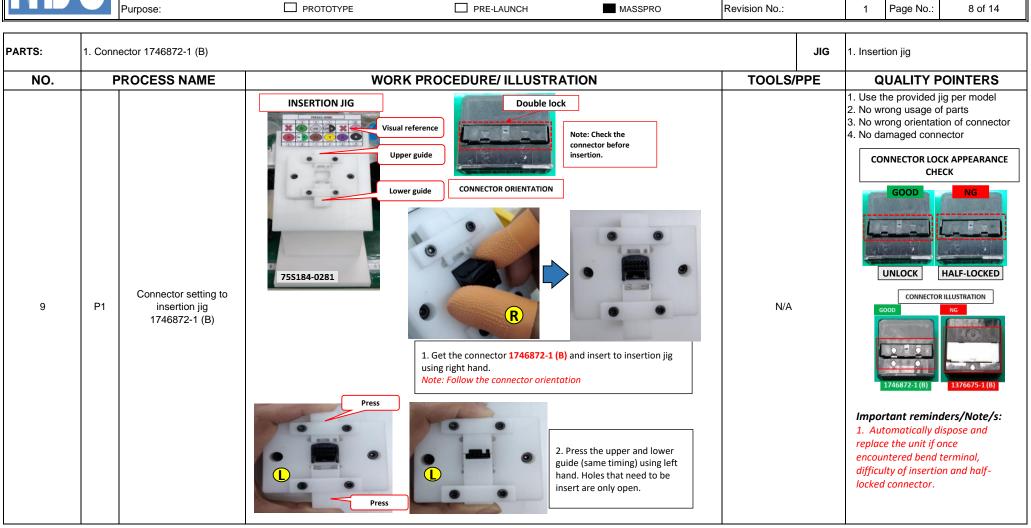
1. Assy parts		JIG	1. Insertion jig
NO. PROCESS NAM	WORK PROCEDURE/ ILLUSTRATION	TOOLS/PPE	QUALITY POINTERS
7 P1 Wire insertion to 10V-S (W) Ass (Continuation	3. Press the Upper button using left hand then remove the assy part using right hand. Check the insertion condition.	n/a	Terminal tip must be visible  Document References:  1. Refer to GL-PRO-ASY-025 fi Inspection Standard for Couplinsertion.  1. No deformed terminals 2. No tangled wires 3. No wrong facing



			WORK INSTRU	CTION		Effectivity Date:		February	3, 2023
Process Name/Title:			TAPING A	SSEMBLY PRO	DCESS	Validity date		n/a	а
Model Code/Part Number:	120D	1	75S184-0281	Customer:	TRJ	Document No.:		WI-ENG-F	PDE-625
Purpose:	☐ PI	ROTOTY	PE	☐ PRE-LAUNCH	MASSPRO	Revision No.:	1	Page No.:	7 of 14



			WORK INSTRU	JCTION		Effectivity Date:		February 3	, 2023
Process Name/Title:			TAPING A	SSEMBLY PROC	CESS	Validity date		n/a	
Model Code/Part Number:	120D	1	75S184-0281	Customer:	TRJ	Document No.:		WI-ENG-PE	E-625
Purpose:	☐ PF	ROTOTY	PE	☐ PRE-LAUNCH	MASSPRO	Revision No.:	1	Page No.:	8 of 14



		WORK INSTRUC	CTION		Effectivity Date:			February 3	, 2023
	Process Name/Title:	TAPING AS	SEMBLY PROCESS		Validity date			n/a	
	Model Code/Part Number:	120D / 75S184-0281	Customer: TR	J	Document No.:			WI-ENG-PE	E-625
	Purpose:	☐ PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:		1	Page No.:	9 of 14
NO.	PROCESS NAME	WORK PROC	EDURE/ ILLUSTRATION		TOOLS/I	PPE	Q	UALITY PO	INTERS
NO.	PROCESS NAME	WORK PROC		USTRATION	TOOLS/PPE		QUALITY POINTERS		
		2ND ROW 2	7 8 9 10 X G GR GR/ 161 173 165	X			2. No w	orovided jig per rong usage of p by one insertion	oarts

R

159

W/G

159

BR

165

Υ

163

٧

169

Wire facing

В

171

1746872-1 (B)

Wire insertion to

Connector

10

P1

1ST ROW



1. Insert first the wires from Black VM tube (Sunprene). Hold the R wire and insert to terminal slot 1 using right hand. Repeat the process for V-Y-B wires.

123456

**BLACK VM TUBE (SUNPRENE)** 

100000

7 8 9 10 11

Note: Follow the insertion sequence based on the illustration stated above.



2. Hold the GR/B wire and insert to terminal slot 5.

Note: Follow the insertion sequence based on the illustration stated above.

4. No wrong insertion

5. No deformed terminal

6. No stuck of terminal tip

Important reminders/Note/s:

1. Please hold the wire near terminal during insertion.

2. Make sure wires are properly inserted. Conduct Pull-Push-Pull-<u>Push</u> after insertion.

Do not exert extra force.

N/A

3. Automatically dispose and replace the unit if once encountered bend terminal, difficulty of insertion and half-locked connector.

**Document References:** 

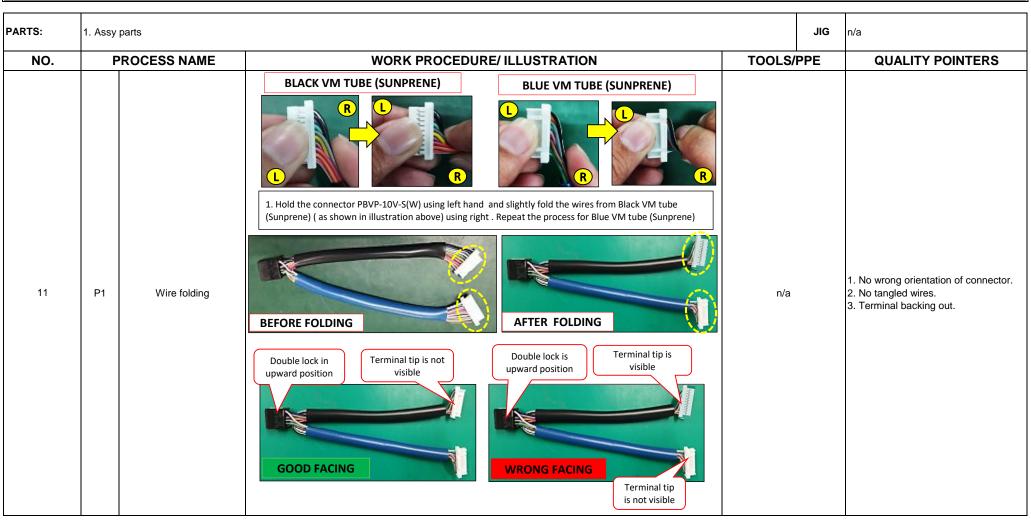
1. Refer to GL-PRO-ASY-028 for Pull-Push procedure.

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7						WORK INSTRU	ICTION		Effectivity Date:		February	3, 2023
			Process Name/Title:			TAPING A	SSEMBLY PRO	CESS	Validity date		n/a	3
			Model Code/Part Number:	120D	/	75S184-0281	Customer:	TRJ	Document No.:		WI-ENG-F	PDE-625
	Ш		Purpose:	□ P	ROTOTY	PE	PRE-LAUNCH	MASSPRO	Revision No.:	1	Page No.:	10 of 14

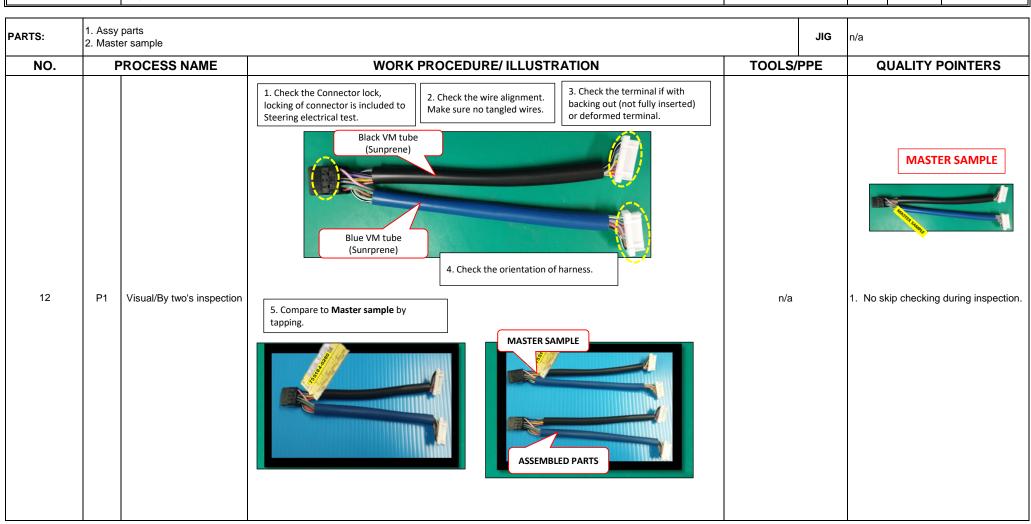
7 <b>S</b> : 2. Conne	parts ector 1746872-1(W)		JIG	1. Insertion jig
NO. P	ROCESS NAME	WORK PROCEDURE/ ILLUSTRATION	TOOLS/PPE	QUALITY POINTERS
10 P1	Wire insertion to Connector 1746872-1 (B) (Continuation)	3. Insert the wires from Blue VM tube (Sunprene), hold the W/G wire using right hand and support the wire by left index finger then insert to terminal slot 6 using right hand. Repeat the process for BR wire.  Note: Follow the insertion sequence based on the above illustration.  4. Hold the G wire and insert to terminal slot 8 using right hand. Repeat the process for GR-P wire.  Note: Follow the insertion sequence based on the illustration.  5. Press the upper and lower lever guide (same timing) using both hands.  6. Remove the assy parts using right hand.	n/a	1. Use provided jig per model 2. No wrong usage of parts 3. One by one insertion 4. No wrong insertion 5. No deformed terminal 6. No stuck of terminal tip  Important reminders/Note/s: 1. Please hold the wire near terminal during insertion. 2. Make sure wires are proper inserted. Conduct Pull-Push-Pull-Push after insertion. Do not exert extra force. 3. Automatically dispose and replace the unit if once encountered bend terminal, difficulty of insertion and half locked connector.  Document References: 1. Refer to GL-PRO-ASY-029 for Pull-Push procedure.

N				Effectivity Date:		February 3, 2023							
		Process Name/Title:	ocess Name/Title: TAPING ASSEMBLY PROCESS							n/a			
	-11	Model Code/Part Number:	120D	1	75S184-0281	Customer:	TRJ	Document No.:		WI-ENG-F	PDE-625		
	<u> </u>	Purpose:	□ P	ROTOTY	PE	PRE-LAUNCH	MASSPRO	Revision No.:	1	Page No.:	11 of 14		

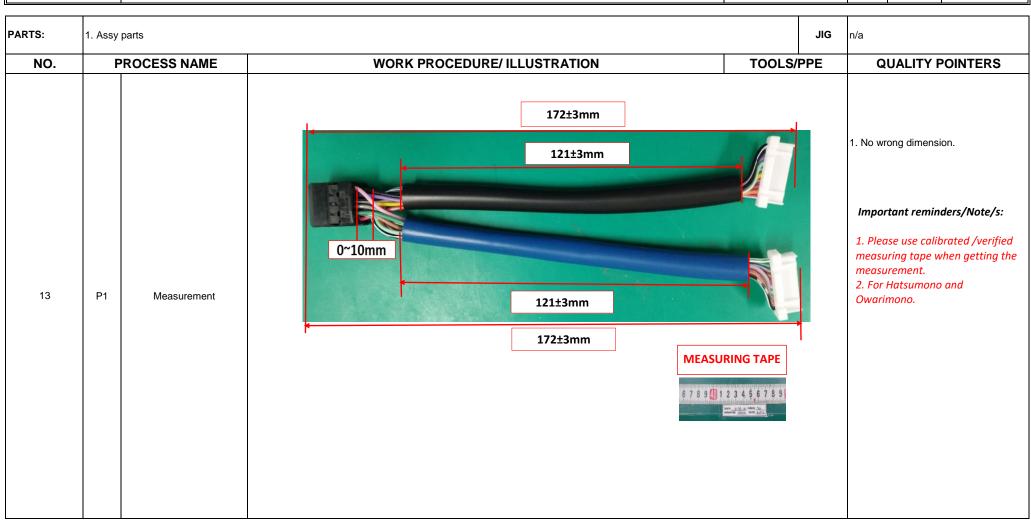




			WORK INSTRU	Effectivity Date:	February 3, 2023				
Process Name/Title:			TAPING A	SSEMBLY PRO	CESS	Validity date	n/a		
Model Code/Part Number: 120D / 75S184-028		75S184-0281	Customer:	TRJ	Document No.:	WI-ENG-PDE-625			
urpose: PROTOTYPE			☐ PRE-LAUNCH	MASSPRO	Revision No.:	1 Page No.: 12 of 14			



		Effectivity Date:	February 3, 2023										
	Process Name/Title: TAPING ASSEMBLY PROCESS Validity date										n/a		
	Model Code/Part Number:	120D	/	75S184-0281		Customer:	TRJ		Document No.:		WI-ENG-F	PDE-625	
	Purpose:	☐ P	ROTOTY	PE		PRE-LAUNCH	MASSPRO		Revision No.:	1	Page No.:	13 of 14	



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		Process Name/Title:		1	TAPING AS	SEMBLY	Y PROCESS		Validity date		n/a			
		Model Code/Part Number:	120D	/ 759	S184-0281	Custome	er: <b>Ti</b>	RJ	Document No.:	t No.:		WI-ENG-F	PDE-625	
		Purpose:	☐ PRO	OTOTYPE		PRE-LAU	NCH	MASSPRO	Revision No.:		1	Page No.:	14 of 14	
	1	•									1			
PARTS:	1. Assy	y parts								JIG	n/a			
					Ql	JALITY CH	HECKPOINTS							
					7.	<mark>5S18</mark> 4	<b>1-0281</b>							
		3. Check	the orienta	ition of ha	arness.									
		4. Check	f no missin	ig parts.				2. Check the wir Make sure nota						
					n backing ou ned termina		6. Compare to	o master sample.			Check to			