| | | | | | | WORK INS | TRUCTION | | | | Effe | ctivity Date: | | April 24, 202 | 3 |
|-----------------------|---------------|-------------|-----------------------------------|--------------------|--------------|------------------|--|---------------------|-----------------------|--------------------------|--------------------|--|--|---------------------------|----------------|
| | | | Process Name/Title: | | | TAPING | ASSEMBLY PROC | ESS | | | Vali | dity Date: | | n/a | |
| | | | Model Code/Part number: | 220D | 1 | 7L0134-7020 | Customer: | TRQSS | ; | | Doo | ument No.: | | WI-ENG-PDE-4 | 46A |
| | | | Purpose: | □PF | ROTOTYPE | | PRE-LAUNCH | MASS | PRO | | Rev | ision No.: | 3 | Page No.: | 1 of 12 |
| | | • | • | | | | | | | | • | | | | |
| PARTS: | | | | | | | 90±3mm with sunprene tube L (with slit) Ø5 L=317±3mm; AV | | | | | Black | 1. Insertior 2. Locking 3. Termina | jig | |
| N | 0. | PI | ROCESS NAME | | | WORK PF | ROCEDURE/ ILLUSTR/ | ATION | | | | TOOLS/PPE | | QUALITY POIN | TERS |
| | | P1 | Table lay-out | Ins | y/ ector | 0.3 TVSSf 0.3 | (with sunprene tube) TVSSf is Green L=614±2mm in Black/White L=614±2mm in prene tube Ø5 L=72±3mm | CC | t (No L=78 | ugated e t) Ø5 | 222 v | Safety Instruction Be sure to wear prescribed person: prescribed person: protective equipment of the sure of the s | 1. Refer to Length To with Vinyl the ted. er. Good Good Good Good Good Good Good Goo | WI-PRO-KIT-006 F Tube. | Wire and Strip |
| | | 1 | | | | Revision History | | 1 | 1 | T | | Prepared by | Reviewed by | Approved by | Noted by |
| 04/24/23 | 3 | | of quality checkpoints | | | | · · · · · · · · · · · · · · · · · · · | J.Loterte | C.Villanueva | A. Arañes | n/a | 4 | | | |
| 09/23/22 | 2 | reference | es on pg. no. 1, 2, 3, 4, 5, 6, 9 | and 10 due to | document | improvement. | ity pointer; Reminders/notes and | M.Ariola | J.Loterte | C.Villanueva | A. Arañes | | 1/1 .11 | ALE | |
| 03/28/22 | 1 | | From Pre-Launch to Masspro | . Additional table | e Lay-out. | | | M.Ariola | J.Loterte | C.Villanueva | A. Arañes | 1 Om | Jour House | | |
| 03/09/22 Eff. Date | 0 Pov. No. | Initial iss | Je. | | Details of (| Change | | M.Ariola Revised | J.Loterte Reviewed | C.Villanueva Approved | A. Arañes Noted | J. Loterte Est. Date: | C. Villanueva March 09, 2022 | A. Arañes | n/a |
| Lii. Dale | INEV. NO | l | | L | Details Of C | onanye | | Revised | venemed | Apploved | ivoted | LSI. Dale. | IvidICII U3, ZUZZ | | |
| | | | | | | | | | | | | | | | |

| | | | WORK INSTR | UCTION | | Effectivity Date: | | | April 24 | , 2023 |
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| | | Process Name/Title: | TAPING A | ASSEMBLY PROCESS | | Validity Date: | | | n/a | 1 |
| | | Model Code/Product Number: | 220D / 7L0134-7020 | Customer: | TRQSS | Document No.: | | | WI-ENG-P | DE-446A |
| | | Purpose: | ☐ PROTOTYPE | PRE-LAUNCH | MASSPRO | Revision No.: | | 3 | Page No.: | 2 of 12 |
| | | | | | | | | | • | |
| PARTS: | 1. Con | nector 6098-3810 (W) | | | | | JIG | 1. Inserti | on jig | |
| NO. | Р | ROCESS NAME | WORK PRO | CEDURE/ ILLUSTRATIO | N | TOOLS/I | PPE | Q | UALITY P | OINTERS |
| 2 | P1 | Connector setting to insertion jig 6098-3810 (W) | Press Press | INSERTION JIG ORIENTATION R R R Insert the connector 6098-3810 (Wand and release the lock. lote: Follow the connector orientation of the connector orientation or the connector orientatio | ion. | n/a | | I-ma ali | rk is align CONNECTOR I | 6098-5677 (W) |

NBC (Philippines)
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4. No damaged connector

| | | | WORK INS | STRUCTION | <u> </u> | | Effectivity Date: | | | April 24, | 2023 |
|--------|--------|---|--|-----------|----------------|---|-------------------|-----|--|--|---|
| | | Process Name/Title: | | | BLY PROCE | ESS | Validity Date: | | | n/a | |
| | | Model Code/Product Number: | | | stomer: | TRQSS | Document No.: | | | WI-ENG-PD | E-446A |
| | | Purpose: | PROTOTYPE | ☐ PRE- | E-LAUNCH | MASSPRO | Revision No.: | | 3 | Page No.: | 3 of 12 |
| | 1 | • | | | | | | | 1 | | |
| PARTS: | 1. AVS | Sf 0.3 B L=649±3mm [2pcs | 5] | | | | | JIG | 1. Insert | ion jig | |
| NO. | Р | ROCESS NAME | WORK P | ROCEDUR | RE/ ILLUSTRA | TION | TOOLS/ | PPE | Q | UALITY PO | DINTERS |
| 3 | P1 | Wire insertion to connector 6098-3810 (W) | 1. Get the 1st Black wire then insert to co slot 1 using right hand. | | 2. Get the 2nd | Black wire then insert to 2 using right hand. | n/a | | 2. No wi 3. One b 4. No de 5. No wi 1. Make inserted Push al extra fo 2. Pleas termina 3. Inser right | fter insertion. orce. se hold the wi | nal ng ders/Notes: re properly ull-Push-Pull- Do not exert ire near from left to |



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

2. Refer to WI-PRO-CNC-127 for awire and stip length tolerance.

for Pull-Push procedure.

1. Please refer to GL-PRO-ASSY-029

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| | | | WORK INSTRUC | CTION | | Effectivity Date: | | | April 24 | , 2023 |
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| | | Process Name/Title: | | SEMBLY PROCESS | S | Validity Date: | | | n/a | ı |
| | | Model Code/Product Number: | 220D / 7L0134-7020 | Customer: | TRQSS | Document No.: | | | WI-ENG-P | DE-446A |
| | | Purpose: | ☐ PROTOTYPE [| PRE-LAUNCH | MASSPRO | Revision No.: | | 3 | Page No.: | 4 of 12 |
| PARTS: | 1. Assy | parts | | | | | JIG | 1. Lockin | ng jig | |
| NO. | Р | ROCESS NAME | WORK PROCE | EDURE/ ILLUSTRATIO | N | TOOLS/F | PPE | QI | UALITY P | OINTERS |
| 4 | P1 | Connector Lock | 1. Put the connector into locking jig using right hand then press to lock 2x. 2. Ensure that connector is in locked connector lock based on the sequence. | | After Pressing | LOCKING | JIG | Imp | lock/half-locl | |

| | | | WORK INSTRU | JCTION | | Effectivity Date: | | | April 2 | 4, 2023 |
|--------|---------------------|--|---|--|---|---------------------|-----------|---|-----------------------------|----------|
| | | Process Name/Title: | TAPING A | SSEMBLY PROCESS | | Validity Date: | | | n | /a |
| | | Model Code/Product Number: | 220D / 7L0134-7020 | Customer: | TRQSS | Document No.: | | | WI-ENG-I | PDE-446A |
| | | Purpose: | PROTOTYPE | PRE-LAUNCH | MASSPRO | Revision No.: | | 3 | Page No.: | 5 of 12 |
| | | | | | | 1 | | | ı | |
| PARTS: | 1. Assy 2. Blacl | parts v Vinyl tube Ø5 L=64±3mm | 3. Black tape | | | | JIG | n/a | | |
| NO. | Р | ROCESS NAME | WORK PRO | CEDURE/ ILLUSTRATION | N | TOOLS/I | PPE | Q | UALITY I | POINTERS |
| 5 | | Wire insertion to Black Vinyl tube Ø5 L=64±3mm | L (R) | 1. Get the Black Vinyl tube Ø5 Lusing right hand and insert B-B vhand. | | n/a | | 1. No wr | rong use of | part. |
| 6 | P1 | Taping 1 Black Vinyl tube to wire near connector | 1. Hold vinyl tube using left hand, measure from Vinyl tube up to end of connector 25±3mm. 25±3mm 25±3mm 0°5mm | taping condition. | 2. Get Black tape using right hand, hold the vinyl tube (ø5 L=64±3mm) using left hand then fold the vinyl tube and start taping using right hand. | 6 7 8 9 (1) 1 2 3 4 | 5 6 7 8 9 | 2. No pe 3. No loo 4. No mi 5. No wr 6. No wr <i>Imp</i> | se use calib ing tape wi | |

| | | | WORK INST | RUCTION | | | Effectivity Date: | | April 24, 2023 |
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| | | Process Name/Title: | TAPING | ASSEMBL | Y PROCES | S | Validity Date: | | n/a |
| | | Model Code/Product Number: | 220D / 7L0134-7020 | Custom | ner: | TRQSS | Document No.: | | WI-ENG-PDE-446A |
| | | Purpose: | PROTOTYPE | PRE-LAU | JNCH | MASSPRO | Revision No.: | | 3 Page No.: 6 of 12 |
| | | | | | | | | | |
| PARTS: | 1. Assy 2. Black | | 3. Black Corrugated | I tube (No slit) | Ø5 L=75±3mm | | | JIG | 1.Terminal cover jig |
| NO. | PF | ROCESS NAME | WORK PR | CEDURE/ | ILLUSTRATIO | ON | TOOLS/I | PE | QUALITY POINTERS |
| 7 | | Wire insertion to Black Corrugated tube (No slit) Ø5 L=75±3mm | 1. Get the terminal cover jig using right hand then insert the B-B wires using left hand. | 3. A | hand and insert B-B | T Ø5 L=75±3mm using right swires using left hand. | TERMINAL COV | /ER JIG | No wrong use of parts No deformed terminal |
| 8 | P1 | Taping 2 Black corrugated tube toBlack vinyl tube near connector | tube and both han no gap b | ed tube and e. | 2. Get the Black process using bo | | 6 7 8 9 10 1 2 3 4. | TAPE | 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. 2. Must be no gap between tubes. |

| | | | WORK INST | RUCTIO | N | | Effectivity Date: | | | April 24 | , 2023 |
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| | | Process Name/Title: | TAPING | ASSEN | MBLY PROC | ESS | Validity Date: | | | n/a | ı |
| | | Model Code/Product Number: | 220D / 7L0134-702 |) Cı | ustomer: | TRQSS | Document No.: | | | WI-ENG-P | DE-446A |
| NO. | | Purpose: | ☐ PROTOTYPE | ☐ PR | RE-LAUNCH | MASSPRO | Revision No.: | | 3 | Page No.: | 7 of 12 |
| | | | | | | | | | | | |
| PARTS: | | W CP TVSSf 0.3 G-B/W L= Corrugated tube Ø7 L=78= | -590±3mm w/ Black sunprene tubeØ5 L=7 ±3mm (no slit) | 2±3mm | | | | JIG | 1. Termir | nal cover jig | |
| NO. | PI | ROCESS NAME | WORK PR | OCEDUI | RE/ ILLUSTRA | ATION | TOOLS/ | PPE | QI | UALITY P | OINTERS |
| 9 | P1 | Wire insertion to Black Corrugated tube Ø7 L=78±3mm (no slit) | 1. Get the terminal cover jig using right hand then insert the G and B/W wires. | R | right hand and in | gated Ø7 L=78±3mm (no slit) using nsert the G and B/W wires remove the terminal cover id. | TERMINAL O | COVER | | ong use of p formed term | |

| | | | | WORK INS | TRUCT | ΓΙΟΝ | | Effectivity Date: | | | April 24 | , 2023 |
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| | | Process Name/Title: | | TAPING | S ASS | EMBLY PROCESS | | Validity Date: | | | n/a | 1 |
| | | Model Code/Product Number: | 220D / | 7L0134-702 | 20 | Customer: | TRQSS | Document No.: | | | WI-ENG-P | DE-446A |
| | | Purpose: | ☐ PROTO | OTYPE | | PRE-LAUNCH | MASSPRO | Revision No.: | | 3 | Page No.: | 8 of 12 |
| | | | | | | | | | | | <u> </u> | |
| PARTS: | 1. Conn | ector 6188-0407 (W) | | | | | | | JIG | 1. Insert | ion jig | |
| NO. | PI | ROCESS NAME | | WORK PI | ROCE | DURE/ ILLUSTRATION | | TOOLS/ | PPE | Q | UALITY P | OINTERS |
| 10 | P1 | Connector setting to Insertion jig 6188-0407 (W) | | 3 | 2. Insert release t Note: Re | Press R the connector 6188-0407 (W) in the lock. efer to above illustration for content of the lock. e lower wire guide using right rminal slot for B/W wire will be | | n/a | | I-ma ali I-ma not 1. Use th 2. No wr 3. No wr | ark is align | |

| | | | WORK INSTRU | CTION | Effectivity Date: | | | April 24, | 2023 |
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| | | Process Name/Title: | TAPING AS | SSEMBLY PROCESS | Validity Date: | | | n/a | |
| | | Model Code/Product Number: | 220D / 7L0134-7020 | Customer: TRQSS | Document No.: | | | WI-ENG-PD | E-446A |
| | | Purpose: | PROTOTYPE | ☐ PRE-LAUNCH ■ MASSPRO | Revision No.: | | 3 1 | Page No.: | 9 of 12 |
| | | l | | | <u> </u> | | | l . | |
| PARTS: | | ector 6188-0407 (W) W CP TVSSf 0.3 G-B/W L= | =590±3mm w/ Black sunprene tube Ø5 L=72±3 | Bmm | | JIG | 1. Insertio | on jig | |
| NO. | Р | ROCESS NAME | WORK PROC | EDURE/ ILLUSTRATION | TOOLS | PPE | QU | JALITY PO | DINTERS |
| 11 | P1 | Wire Insetion to Connector 6188-0407 (W) | 1. Hold the Insertion jig using left hand. Get Black/White wire then insert to terminal slot 1 using right hand. 2 Green R 3. Get Green wire then insert to terminal slot 2 using right hand. | Wire facing 2. Push the button using right hand. The for Green wire will be opened. Press R 4. After insertion, push the lock using thumb and then hold the wires and goull out the connector from jig using hand. | n/a left ently | | 2. No wroi 3. One by 4. No defo 5. No wroi 1. Make s inserted. push afte extra foro 2. Please terminal. Do 1. Refer t Wire and 2. Please | sure wires a Conduct Poor insertion. ce. chold the wire cocument rei to WI-PRO-CI Strip length | ders/Note/s: re properly ull-Push-Pull- Do not exert re near rerences: cNC-017 for re tolerance. |

| | | | WORK INST | RUCTION | | Effectivity Date: | April 24, 2023 |
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| | | Process Name/Title: | TAPING | ASSEMBLY PF | ROCESS | Validity Date: | n/a |
| | | Model Code/Product Number: | 220D / 7L0134-7020 | Customer: | TRQSS | Document No.: | WI-ENG-PDE-446A |
| | | Purpose: | PROTOTYPE | PRE-LAUNCH | MASSPRO | Revision No.: | 3 Page No.: 10 of 12 |
| | | | | | | | |
| PARTS: | 1. Assy 2. Black | | | CONNECTO | R CROSS SECTIONAL VIEW | JIG | 1. Locking jig |
| NO. | Pl | ROCESS NAME | WORK PR | OCEDURE/ ILLU | STRATION | TOOLS/PPE | QUALITY POINTERS |
| 12 | | Connector Lock | press to loc | CONNECTOR NG Unlock Condition Connector into locking jie ck 2x. Check the connect cuch the condition of lock | tor lock if properly | LOCKING JIG | 1. Use the provided locking per model 2. No unlock/half-locked connector Important reminders/Note/s: 1. Manual locking may cause damaged connector lock. |
| 13 | P1 | Taping 3 COT to Wire near Connector | 1. Hold the Corrugated tube using left hand then start taping using right hand. 25±3mm 25±3mm 725±3mm 725±3mm 725±3mm 725±3mm 725±3mm 725±3mm | 2. Measure from the hands. | from end of the COT up to connector en continue the taping process using both taping, check the measurement and ondition. | MEASURING TAPE 6 7 8 9 10 1 2 3 4 5 6 7 8 9 1 | 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. |

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| | | WORK INSTRU | CTION | | Effectivity Date: | | April 24 | 1, 2023 |
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| Process Name/Title: TAPING | | | SSEMBLY PRO | Validity Date: | n/a | | | |
| Model Code/Product Number: | 220D / | 7L0134-7020 | Customer: | TRQSS | Document No.: | | WI-ENG-P | DE-446A |
| Purpose: | ☐ PROTOTYPE | | PRE-LAUNCH | MASSPRO | Revision No.: | 3 | Page No.: | 11 of 12 |

1. Assy parts PARTS: JIG 1. COT Adaptor 2. Black Corrugated tube Ø5 L=317±3mm (with slit) PROCESS NAME TOOLS/PPE **QUALITY POINTERS WORK PROCEDURE/ILLUSTRATION** NO. **COT ADAPTOR** 1. Hold the COT adaptor using left hand. Combined the 2 assy parts and Wire insertion to put inside the COT adaptor using right hand 1. No wrong use of parts Black Corrugated tube 14 P1 2. No wires left in between the COT (w/slit) with slit Ø5 L=317±3mm 2. Hold the COT adaptor with wires using left hand, get the Black Corrugated tube (w/slit) Ø5 L=317±3mm 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.

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| | | 1 | | WORK MOTE | IOTION | | E# :: D : | | 1 | 4 '1 04 | 2000 | |
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| | | Process Name/Title: | TAPING ASSEMBLY PROCESS | | | | | Validity Date: | | n/a | | |
| | | Model Code/Product Number: | 220D / 7L0134-7020 | | Customer: TRQSS | | Document No.: | | WI-ENG-PDE-446A | | | |
| | | Purpose: | PROTOTYPE | | PRE-LAUNCH | MASSPRO | Revision No.: | | 3 | Page No.: | 12 of 12 | |
| | | | | | | | | 1 | | | | |
| PARTS: | n/a | | | | | | | JIG | n/a | | | |
| QUALITY CHECKPOINTS | | | | | | | | | | | | |
| P1 GOOD NO GO | | WRONGINSERT | | | 5 | 2 | | 3 | | | | |
| 1 2 | No | WRONG INSERT UNLOCKED/HAL TBO | | | 3(| 4 5 No MIS | SING TAPI | 6 N | o MI | SSING | VINYL | |
| | | | | | | | | | | | | |