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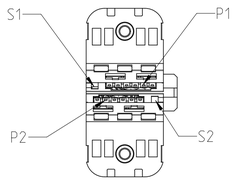
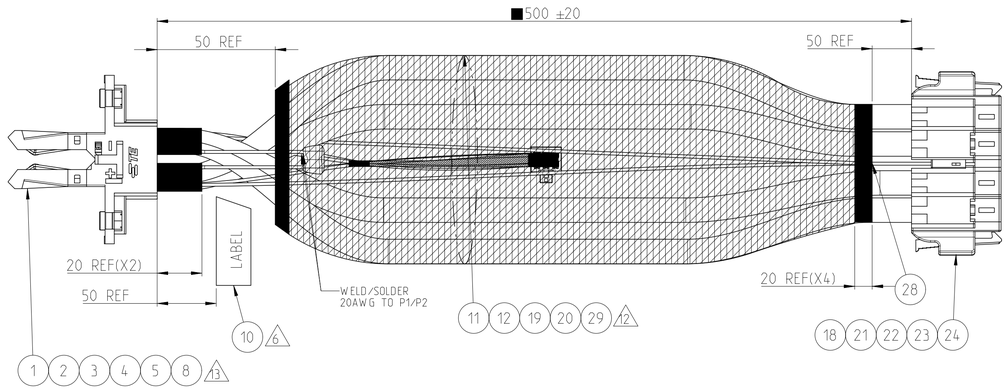
| REVISIONS | | | | | |
|---|---|---|---|---|---|
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
| | - | SEE SHEET 1 | - | - | - |




J1

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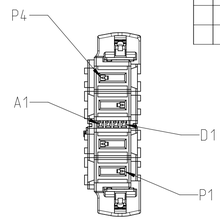
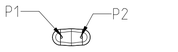
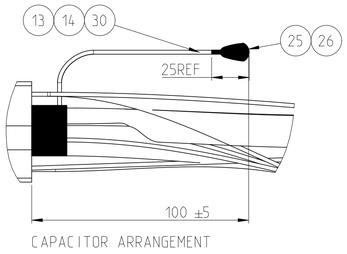
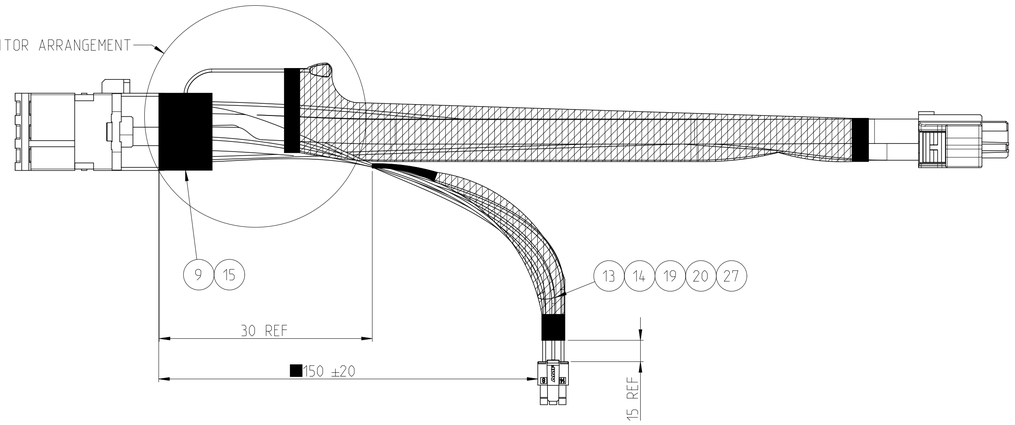


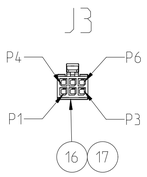

J4

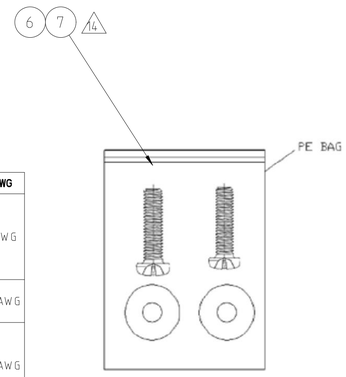



CAPACITOR ARRANGEMENT




J3




## PART NUMBER LIST

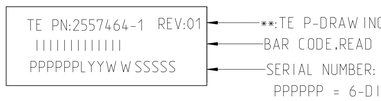
| TE P/N | PPPPPP | CUSTOMER P/N |
|---|---|---|
| 2557464-1 | 5MCVWZ | - |

| FROM | TO | WIRE COLOR | AWG |
|---|---|---|---|
| J1-P1 | J2-P1 | BLACK | 6AWG |
| | J2-P2 | | |
| J1-P2 | J2-P3 | RED | |
| | J2-P4 | | |
| J1-P1 | J4-P1 | BLACK | 20AWG |
| J1-P2 | J4-P2 | RED | |
| J1-P1 | J3-P5 | BLACK | 20AWG |
| | J3-P6 | | |
| J1-P2 | J3-P2 | RED | |
| | J3-P3 | | |
| J1-S1 | J2-B1 | BLACK | 24AWG |
| J1-S2 | J2-D1 | RED | |
| J1-S1 | J3-P4 | BLACK | 24AWG |
| J1-S2 | J3-P1 | RED | |

| QTY | U/M | DESCRIPTION | ITEM |
|---|---|---|---|
| AR | KG | SOLDER WIRE | 30 |
| AR | MR | TINNER COPPER BRAID SLEEVEE, ID 25.4 | 29 |
| AR | MR | TAPE, BLACK, WIDTH 20MM, HF, UL94 VTM2 | 28 |
| AR | MR | TINNER COPPER BRAID SLEEVEE, ID 12.7 | 27 |
| AR | MR | TAPE, BLACK, WIDTH 5MM, HF, UL94 VTM2 | 26 |
| 1 | PC | CERAMIC CAPACITOR,1uF,100V | 25 |
| 1 | PC | MBXLE RCPT STR 2ACP+4S+2ACP, HF | 24 |
| 1 | PC | INSERT MBXL 2 SIGNAL LOCK 4POS | 23 |
| 4 | PC | CONT 6 AWG PWR, STD PLATE | 22 |
| 4 | PC | 2NDARY RCPT PWR VERT BLKHED MT,HF | 21 |
| AR | MR | UL3385, 24AWG, OD: 1.45MM, COLOR: Red | 20 |
| AR | MR | UL3385, 24AWG, OD: 1.45MM, COLOR: BLACK. | 19 |
| 2 | PC | CONTACT MINI TANDEM SPRING L | 18 |
| 6 | PC | MICRO MNL RPT CNT STRP | 17 |
| 1 | PC | 6POS.MICRO MNL.RCPT HSG | 16 |
| AR | MR | Heat Shrink Tube, 12mm, Color: Black | 15 |
| AR | MR | WIRE.20AWG.UL1569.BC.BLACK | 14 |
| AR | MR | WIRE.20AWG.UL1569.BC.RED | 13 |
| AR | MR | UL3132, 6AWG, 6.5MM, BC, BLACK | 12 |
| AR | MR | UL3132, 6AWG, 6.5MM, BC, RED | 11 |
| 1 | PC | Label, type B 15*100 | 10 |
| AR | MR | TAPE, BLACK, WIDTH 12MM, HF, UL94 VTM2 | 9 |
| 2 | PC | M3 NUT | 8 |
| 2 | PC | M3 SCREW | 7 |
| 2 | PC | WASHER | 6 |
| 2 | PC | SENSOR CONTACT, 48V BUSBAR | 5 |
| 2 | PC | ORV3-SECONDARY LOCK | 4 |
| 2 | PC | CLIP, 48V BUSBAR ORv3 | 3 |
| 2 | PC | ORV3 POWER TERMINAL | 2 |
| 1 | PC | HSG, 48V BUSBAR | 1 |

## NOTES:

1. DIMENSION MARKED WITH ■ IS KEY CHARACTERISTIC PER STANDARD OPERATIING PROCEDURE TEC-407-55
2. THE APPREARANCE OF CONNECTORS IN CABLE ASSEMBLY DRAWING IS ILLUSTRATION ONLY, REFER TO THE RESPETIVE COMPONENT DRAWING FOR DETAILS
3. ALL MATERIAL AND PROCESSING MUST MEET REQUIREMENTS OF TE CONNECTIVITY ENVIRONMENTAL STANDARD TEC-138-702
4. SILVER PLATING CONTACTS MAY DISCOLOR IN AIR, BUT NO PERFORMANCE ISSUE.
5. 100% ELECTRICAL TEST FOR OPEN, SHORT, MIS-WIRING AND HI-POT
6. LABEL PRINTED INFORMATION AS FOLLOW (TO BE WRAPPED TO SINGLE WIRE)




7. THE CABLE ASSEMBLY IS UL WIRING HARNESS (ZPFW2) COMPLIANT.
8. THE PRODUCT MEET REQUIREMENTS OF TE CONNECTIVITY ENVIRONMENTAL STANDARD TEC-138-702
9. MINIMUM BEND RADIUS: 5 X CABLE DIAMETER
10. CABLE ASSEMBLY TO MEET THE WORKMANSHIP STANDARD IPC 620 A CLASS1
11. THE MATING BUSBAR SHOULD HAVE SURFACE ROUGHNESS Ra 1.6 µm MAX. SHOULD HAVE PLATING 3 µm MIN IN CONTACT AREA AND 1.27 µm MIN. NICKLE OVERAL
12. WRAP COPPER BRAIDED SLEEVE OVER 6 AWG, 24AWG CABLES & CAPACITOR ONLY.
13. GROUND CLIPS ON THE IT GEAR CONNECTOR HAVE BEEN REMOVED
14. SCREWS AND WASHERS WILL BE PACKED SEPARATELY

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±
1 PLC ±
2 PLC ±
3 PLC ±
4 PLC ±
ANGLES ±

MATERIAL: - / -

FINISH: - / -

| | | |
|---|---|---|
| DWN | L.FIGUEROA | 13APR2026 |
| CHK | F.NAVARRO | 13APR2026 |
| APVD | - | NAME - |
| PRODUCT SPEC | - | |
| APPLICATION SPEC | - | |
| WEIGHT | - | |

TE Connectivity

PRELIMINARY

48V IT GEAR TO MB XLE C/A

-

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A1 | 00779 | C-2557464-1 | - |

| CUSTOMER DRAWING | SCALE | SHEET | OF | REV |
|---|---|---|---|---|
| | 3:10 | 1 | 1 | 1 |