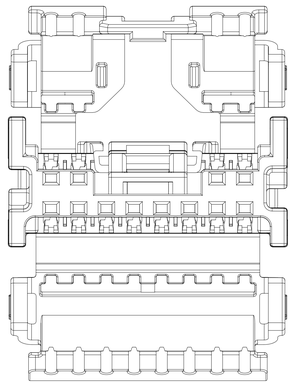
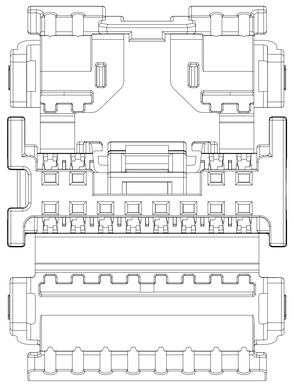


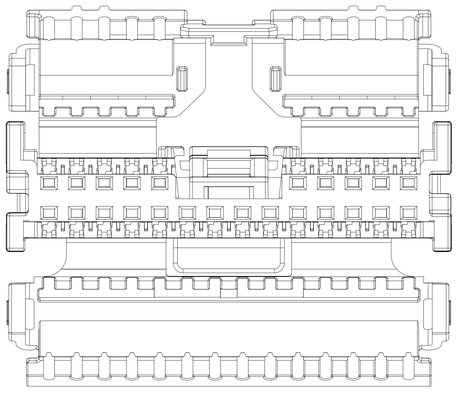
12 CIRCUIT POLARIZATION A



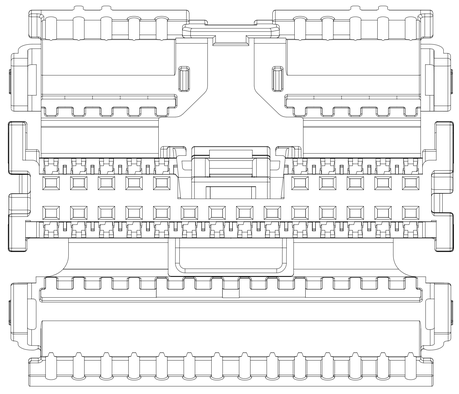
12 CIRCUIT POLARIZATION B



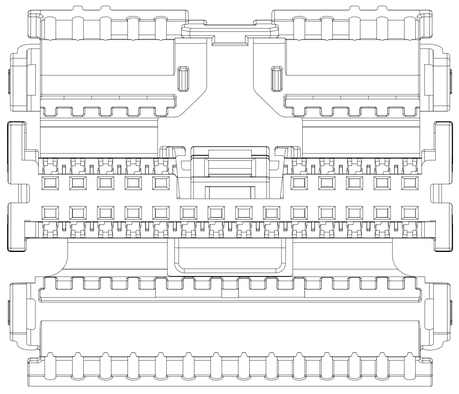
12 CIRCUIT POLARIZATION C



24 CIRCUIT POLARIZATION A



24 CIRCUIT POLARIZATION B



24 CIRCUIT POLARIZATION C

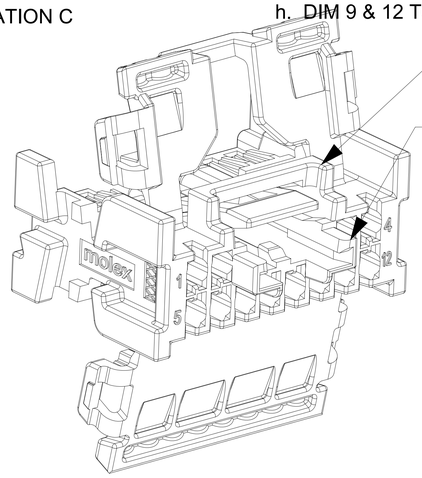
NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
   a. APPLICATION SPECIFICATION SEE: AS-34791-020
   b. PRODUCT SPECIFICATION SEE: PS-34791-020
   c. PACKAGING SPECIFICATION PER MOLEX DRAWING: SEE CHART
   d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: QEHS-699000-301
   e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)
   f. FLAMMABILITY REQUIREMENT: PER ISO3795 OR GM3191
      1. BURN RATE 100 mm/MIN MAXIMUM
      2. MATERIAL MUST BE SELF EXTINGUISHING
   g. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B)
   (L9) h. FOR TERMINAL USAGE, REFER TO MOLEX SALES DRAWING SD-560023-002 (PLAN OBSOLESCENCE IN 2024) AND 5600230800.

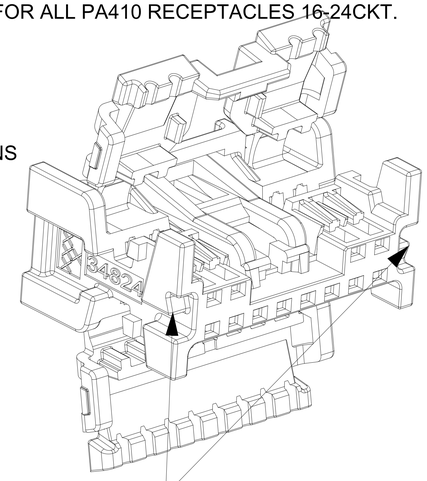
   j. 16-24CKT PBT PARTS PLANNED FOR OBSOLESCENCE FEB 2021
      ECOPAXX VERSIONS WILL SERVE AS REPLACEMENT

2. DESIGN - MATERIALS: SEE P/N TABLE

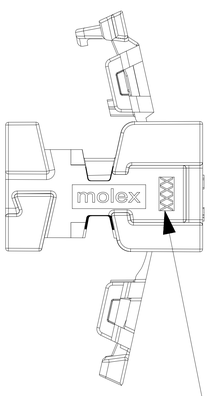
3. DESIGN - GEOMETRY:
   a. THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.
   b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 2009
   c. GENERAL TOLERANCES:
      LINEAR: PER DIN 16901 CODE B FOR PRECISION ENGINEERING (SEE TABLE)
      ANGULAR: ±3˚
   d. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
   e. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX
   f. LETTERING SHALL BE 0.1 MAX RAISED IN 0.15 MAX RECESS PAD AND NOT PROTRUDE THE SURFACE. THIS INCLUDES RECYCLING CODE, PLANT AND CAVITY ID, VENDOR ID, CIRCUIT ID, AND PART SERIES NUMBER.
   g. DIMENSION APPLIES ONLY TO RECEPTACLES WITH LOCK BRIDGE OPTION.
   h. DIM 9 & 12 TOLERANCE +0.30/-0.15 FOR ALL PA410 RECEPTACLES 16-24CKT.

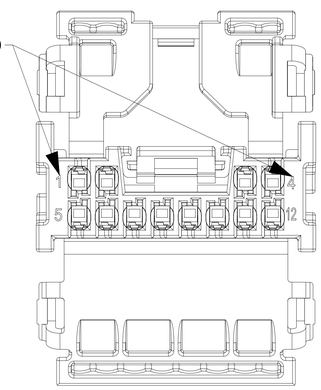


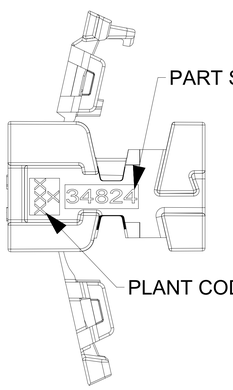

SCALE 7:1




SCALE 7:1




RECYCLING CODE
SEE BOM ON SHEET 3 FOR MATERIAL IDENTIFIER

| REV | DESCRIPTION |
|---|---|
| L10 | SHEET2:ALIGNED SD DIMENSION WITH RELEASED ENGINEERING DRAWING<br>SHEET2:UPDATED BALLOON NUMBER FROM 7,10 TO 18 |
| L9 | ADDED TERMINAL SD-DRAWING 5600230800 AT NOTES 1-H ON SHEET 1 |
| L8 | CHANGED RECYCLING CODE TO "XXXX"; WAS "PBT." |
| L7 | OBSOLETED PART NUMBERS 348241200/01/02/40/41/42,348241160/61/62,348240160/61/62 |
| L6 | DRAWING REMASTERED<br>PAGE 1: ADDED NOTE 1j<br>PAGE 3: ADDED NOTE SYMBOL TO BOM |
| L5 | VERTICAL PITCH DIMENSION ADDED |
| L4 | UPDATED P/N TABLE TO SHOW MATERAIL |

INSPECTION BALLOON LOG
PER DRAWING REVISION: L10
LAST BALLOON USED: 18
ADDED BALLOON NUMBERS:
REMOVED BALLOON NUMBERS: 1-7

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FP = 0
DIVISIONAL SYMBOLS

| DIMENSION UNITS | SCALE |
|---|---|
| MM | 6:1 |

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
|---|---|
| ANGULAR TOL | ± 0.5˚ |
| 4 PLACES | ± |
| 3 PLACES | ± |
| 2 PLACES | ± 0.100 |
| 1 PLACE | ± 0.20 |
| 0 PLACES | ± |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REFER TO REVISION COLUMN

STATUS: Production
DRWN: Lando Zhang 2026-07-08
CHK'D: Lando Zhang 2026-07-09
APPR: Nick Wang 2026-07-09

THIRD ANGLE PROJECTION | DRAWING: E-SIZE | SERIES: 34824

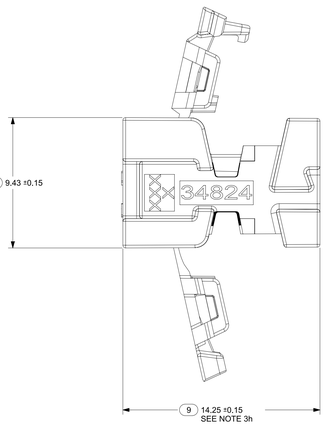
molex

MINI50 DUAL ROW RECEPTACLE SALES DWG

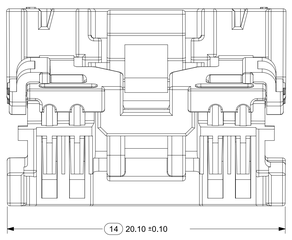
PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-34824-002 | PSD | 001 | L10 |

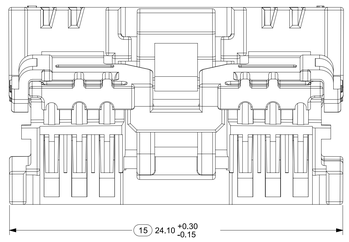
| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| | GENERAL MARKET | 1 OF 3 |



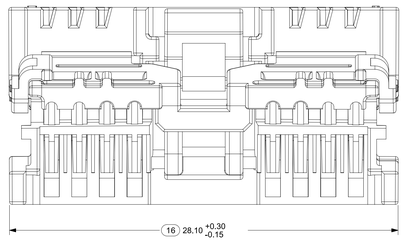

## 12 CIRCUIT



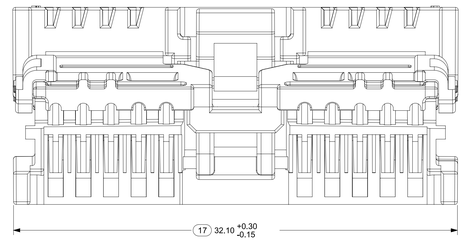

## 16 CIRCUIT



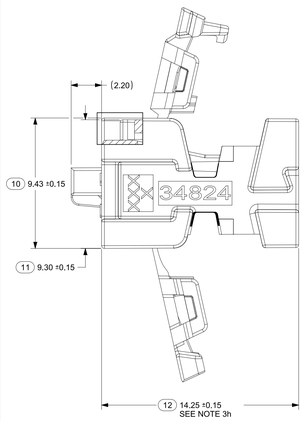

## 20 CIRCUIT

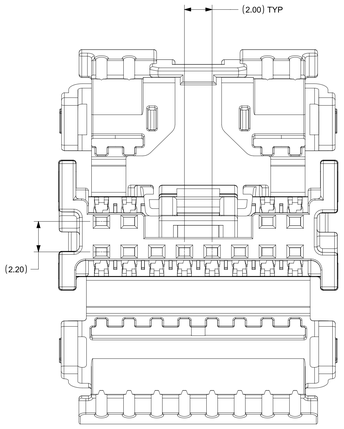


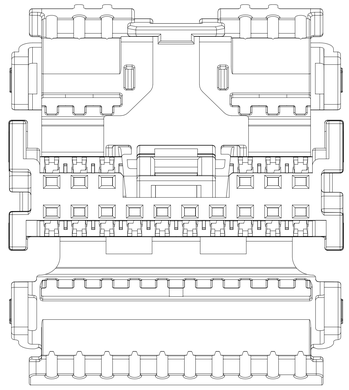

## 24 CIRCUIT

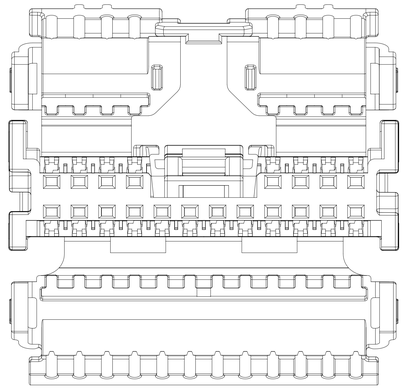


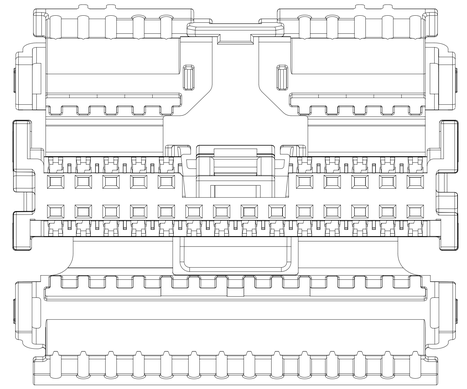

L10

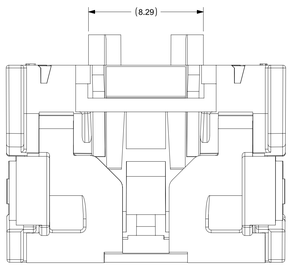


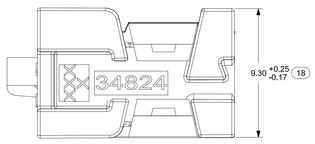



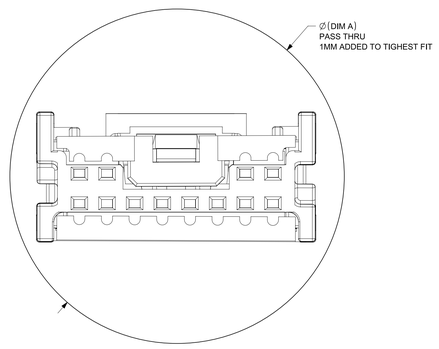










PASS THRU DIM TABLE

| CIRCUIT SIZE | DIM A |
|---|---|
| 12 | 24.18 |
| 16 | 27.88 |
| 20 | 31.64 |
| 24 | 35.48 |

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FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FP = 0
DIVISIONAL SYMBOLS

| DIMENSION UNITS | SCALE |
|---|---|
| MM | 6:1 |

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
|---|---|
| ANGULAR TOL | ± 0.5° |
| 4 PLACES | ± |
| 3 PLACES | ± |
| 2 PLACES | ± 0.100 |
| 1 PLACE | ± 0.20 |
| 0 PLACES | ± |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REFER TO REVISION COLUMN

STATUS: Production
DRWN: Lando Zhang 2026-07-08
CHK'D: Lando Zhang 2026-07-09
APPR: Nick Wang 2026-07-09

THIRD ANGLE PROJECTION | DRAWING: E-SIZE | SERIES: 34824

molex

MINI50 DUAL ROW RECEPTACLE SALES DWG

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-34824-002 | PSD | 001 | L10 |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| | GENERAL MARKET | 2 OF 3 |

# MINI50 RECEPTACLES - PBT

| MATERIAL NUMBER BULK PACKAGING PK-31301-538 | LOCK BRIDGE | CIRCUIT | POL | COLOR | MATERIAL | MATING COMPONENT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SURFACE MOUNT TECHNOLOGY (SMT) HEADER | | VERTICAL THRU HOLE HEADER | | RIGHT ANGLE THRU HOLE HEADER | |
| | | | | | | TAPE AND REEL PACKAGING PK-31301-786 | TUBE PACKAGING PK-31301-688 | TRAY PACKAGING PK-31301-440 | TUBE PACKAGING PK-31301-688 | TRAY PACKAGING PK-31301-440 | TUBE PACKAGING PK-31301-688 |
| 34824-0124 | NO | 12 | A | BLACK | PBT | 34897-8120 | 34897-9120 | 34825-0124 | 34825-9124 | 34826-0124 | 34826-9124 |
| 34824-0125 | NO | 12 | B | GRAY | | 34897-8121 | 34897-9121 | 34825-0125 | 34825-9125 | 34826-0125 | 34826-9125 |
| 34824-0126 | NO | 12 | C | DARK GRAY | | 34897-8122 | 34897-9122 | 34825-0126 | 34825-9126 | 34826-0126 | 34826-9126 |
| 34824-1124 | YES | 12 | A | BLACK | | 34897-8120 | 34897-9120 | 34825-0124 | 34825-9124 | 34826-0124 | 34826-9124 |
| 34824-1125 | YES | 12 | B | GRAY | | 34897-8121 | 34897-9121 | 34825-0125 | 34825-9125 | 34826-0125 | 34826-9125 |
| 34824-1126 | YES | 12 | C | DARK GRAY | | 34897-8122 | 34897-9122 | 34825-0126 | 34825-9126 | 34826-0126 | 34826-9126 |

1.j

# MINI50 RECEPTACLES - PA410

| MATERIAL NUMBER BULK PACKAGING PK-31301-538 | LOCK BRIDGE OPTION | CIRCUIT | POL | COLOR | MATERIAL | MATING COMPONENT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SURFACE MOUNT TECHNOLOGY (SMT) HEADER | | VERTICAL THRU HOLE HEADER | | RIGHT ANGLE THRU HOLE HEADER | |
| | | | | | | TAPE AND REEL PACKAGING | TUBE PACKAGING | TRAY PACKAGING | TUBE PACKAGING | TRAY PACKAGING PK-31301-440 | TUBE PACKAGING PK-31301-688 |
| 34824-0164 | NO | 16 | A | BLACK | PA410 | 34897-8160 | 34897-9160 | 34825-0160 | 34825-9160 | 34826-0160 | 34826-9160 |
| 34824-0165 | NO | 16 | B | GRAY | | 34897-8161 | 34897-9161 | 34825-0161 | 34825-9161 | 34826-0161 | 34826-9161 |
| 34824-0166 | NO | 16 | C | DARK GRAY | | 34897-8162 | 34897-9162 | 34825-0162 | 34825-9162 | 34826-0162 | 34826-9162 |
| 34824-1164 | YES | 16 | A | BLACK | | 34897-8160 | 34897-9160 | 34825-0160 | 34825-9160 | 34826-0160 | 34826-9160 |
| 34824-1165 | YES | 16 | B | GRAY | | 34897-8161 | 34897-9161 | 34825-0161 | 34825-9161 | 34826-0161 | 34826-9161 |
| 34824-1166 | YES | 16 | C | DARK GRAY | | 34897-8162 | 34897-9162 | 34825-0162 | 34825-9162 | 34826-0162 | 34826-9162 |
| 34824-0204 | NO | 20 | A | BLACK | | 34897-8200 | 34897-9200 | 34825-0200 | 34825-9200 | 34826-0200 | 34826-9200 |
| 34824-0205 | NO | 20 | B | GRAY | | 34897-8201 | 34897-9201 | 34825-0201 | 34825-9201 | 34826-0201 | 34826-9201 |
| 34824-0206 | NO | 20 | C | DARK GRAY | | 34897-8202 | 34897-9202 | 34825-0202 | 34825-9202 | 34826-0202 | 34826-9202 |
| 34824-1204 | YES | 20 | A | BLACK | | 34897-8200 | 34897-9200 | 34825-0200 | 34825-9200 | 34826-0200 | 34826-9200 |
| 34824-1205 | YES | 20 | B | GRAY | | 34897-8201 | 34897-9201 | 34825-0201 | 34825-9201 | 34826-0201 | 34826-9201 |
| 34824-1206 | YES | 20 | C | DARK GRAY | | 34897-8202 | 34897-9202 | 34825-0202 | 34825-9202 | 34826-0202 | 34826-9202 |
| 34824-0244 | NO | 24 | A | BLACK | | 34897-8240 | 34897-9240 | 34825-0240 | 34825-9240 | 34826-0240 | 34826-9240 |
| 34824-0245 | NO | 24 | B | GRAY | | 34897-8241 | 34897-9241 | 34825-0241 | 34825-9241 | 34826-0241 | 34826-9241 |
| 34824-0246 | NO | 24 | C | DARK GRAY | | 34897-8242 | 34897-9242 | 34825-0242 | 34825-9242 | 34826-0242 | 34826-9242 |
| 34824-1244 | YES | 24 | A | BLACK | | 34897-8240 | 34897-9240 | 34825-0240 | 34825-9240 | 34826-0240 | 34826-9240 |
| 34824-1245 | YES | 24 | B | GRAY | | 34897-8241 | 34897-9241 | 34825-0241 | 34825-9241 | 34826-0241 | 34826-9241 |
| 34824-1246 | YES | 24 | C | DARK GRAY | | 34897-8242 | 34897-9242 | 34825-0242 | 34825-9242 | 34826-0242 | 34826-9242 |

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FUNCTIONAL SYMBOLS
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FC = 0
FP = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS: MM
SCALE: 6:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
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| 1 PLACE | ± 0.20 |
| 0 PLACES | ± |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REFER TO REVISION COLUMN

STATUS: Production
DRWN: Lando Zhang 2026-07-08
CHK'D: Lando Zhang 2026-07-09
APPR: Nick Wang 2026-07-09

THIRD ANGLE PROJECTION

DRAWING: E-SIZE
SERIES: 34824

molex

MINI50 DUAL ROW RECEPTACLE SALES DWG

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-34824-002 | PSD | 001 | L10 |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| | GENERAL MARKET | 3 OF 3 |