

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

**Part Number:** [0009016041](#)  
**Status:** **Active**  
**Overview:** [edge\\_card\\_connectors](#)  
**Description:** 3.96mm (.156") Pitch KK® Crimp Housing, Edge Card Connector, Single-Sided, Surface Mount, Polarized, Without Flange, 4 Circuits

**Documents:**

|                                               |                                                      |
|-----------------------------------------------|------------------------------------------------------|
| <a href="#">3D Model</a>                      | <a href="#">Drawing (PDF)</a>                        |
| <a href="#">Packaging Specification (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a> |

**Agency Certification**

|    |        |
|----|--------|
| UL | E29179 |
|----|--------|

**General**

|                |                                      |
|----------------|--------------------------------------|
| Product Family | Edge Card Connectors                 |
| Series         | <a href="#">2574</a>                 |
| Component Type | Edgecard to Wire                     |
| Overview       | <a href="#">edge_card_connectors</a> |
| Product Name   | Edge Card, KK®                       |

**Physical**

|                                |                      |
|--------------------------------|----------------------|
| Circuits (Loaded)              | 4                    |
| Circuits (maximum)             | 4                    |
| Circuits Detail                | All Signal           |
| Color - Resin                  | Natural              |
| Durability (mating cycles max) | 25                   |
| Entry Angle                    | Vertical (Top Entry) |
| Flammability                   | 94V-2                |
| Keying to Mating Part          | N/A                  |
| Material - Plating Mating      | n/a                  |
| Material - Resin               | Nylon                |
| PCB Retention                  | None                 |
| PCB Thickness Recommended (in) | 0.062 In             |
| PCB Thickness Recommended (mm) | 1.60 mm              |
| Packaging Type                 | Bag                  |
| Panel Mount                    | Without Flange       |
| Pitch - Mating Interface (in)  | 0.156 In             |
| Pitch - Mating Interface (mm)  | 3.96 mm              |
| Polarized to Mating Part       | Yes                  |
| Temperature Range - Operating  | 0°C to +75°C         |
| Termination Interface: Style   | N/A                  |

**Electrical**

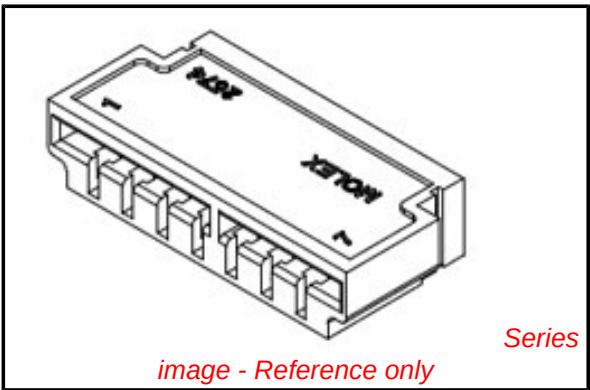
|                               |                            |
|-------------------------------|----------------------------|
| Current - Maximum per Contact | 4.25A, 4.5A, 4.75A, 4A, 5A |
| Voltage - Maximum             | 250V                       |

**Material Info**

|                 |           |
|-----------------|-----------|
| Old Part Number | 2574-04A1 |
|-----------------|-----------|

**Reference - Drawing Numbers**

|                         |             |
|-------------------------|-------------|
| Packaging Specification | PK-2574-001 |
| Sales Drawing           | SD-2574     |



**EU RoHS**

**ELV and RoHS  
Compliant**  
**REACH SVHC  
Contains SVHC: No**  
**Halogen-Free  
Status**

**Not Reviewed**

**China RoHS**



**Need more information on product  
environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of  
Compliance, [click here](#)

Please visit the [Contact Us](#) section for any  
non-product compliance questions.

**Search Parts in this Series**  
[2574Series](#)

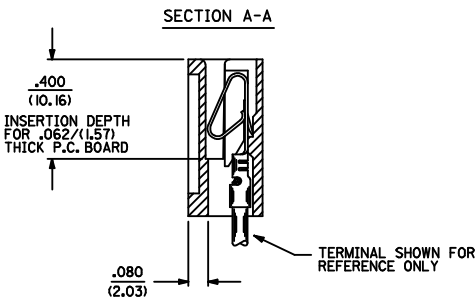
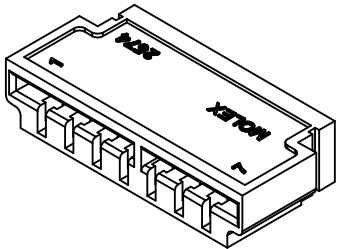
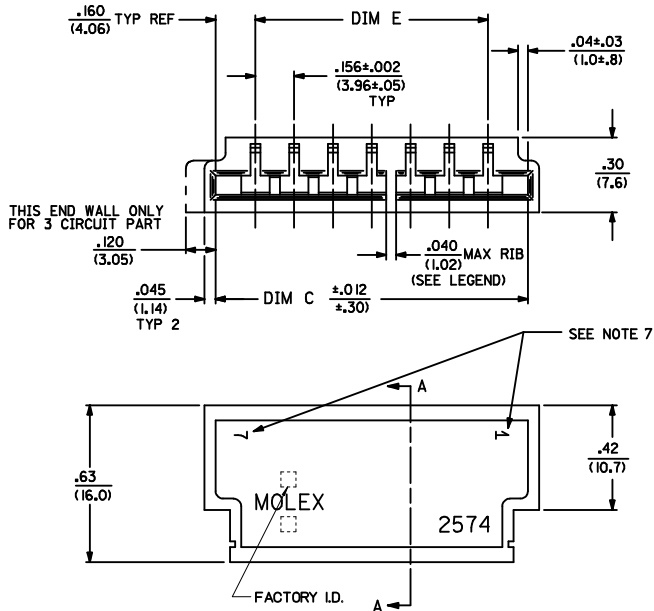
**Mates With**  
PCB, 1.6mm (0.62") max. thickness

**Use With**  
[2878](#) Terminals, [2478](#) Terminals, [2578](#)  
Terminals, Bifurcated

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

NOTES:

1. MATERIAL: NYLON 6/6, 94V-2.
2. FINISH: SEE CRIMP TERMINAL DRAWING.
3. THIS PRODUCT CONFORMS TO PRODUCT SPECIFICATION PS-08-50.
4. PACKAGING: BULK PER PK-2574-001
5. CONNECTOR TO BE USED WITH CRIMP TERMINALS:  
2478-\* 18-24 GAGE WIRE; .110/(2.79) MAX. INSULATION DIAMETER.  
2578-\* 22-26 GAGE WIRE; .065/(1.65) MAX. INSULATION DIAMETER.
6. DIMENSIONS GIVEN ACROSS CENTERLINES ARE SYMMETRICAL ABOUT THOSE CENTERLINES WITHIN ONE HALF THE TOTAL TOLERANCE.
7. PARTS LESS THAN 7 CIRCUITS ARE TO INDICATE ONLY CIRCUIT NO. 1. ALL OTHERS ARE TO IDENTIFY BOTH THE FIRST AND LAST CIRCUITS.
8. PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002



2574 - N \* \* \*

NO. OF CIRCUITS

COLOR CODE  
BLANK=NATURAL  
BK=BLACK

OPTION CODE

| CODE | MOUNTING EARS | CHAMFERED SLOT | PCB THK | MOUNTING HOLES |
|------|---------------|----------------|---------|----------------|
| A    | NO            | NO             | .062    | NO             |
| B    | YES           | NO             | .062    | NO             |
| C    | NO            | YES            | .062    | NO             |
| D    | YES           | YES            | .062    | NO             |
| E    | NO            | NO             | .032    | NO             |
| F    | YES           | NO             | .062    | YES            |

RIB LOCATION CODE (BETWEEN CKTS)

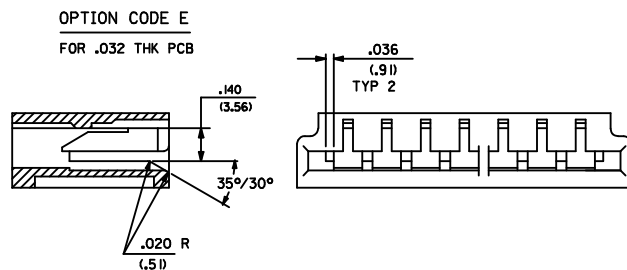
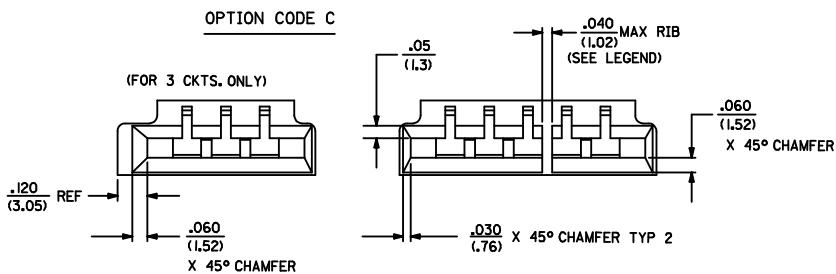
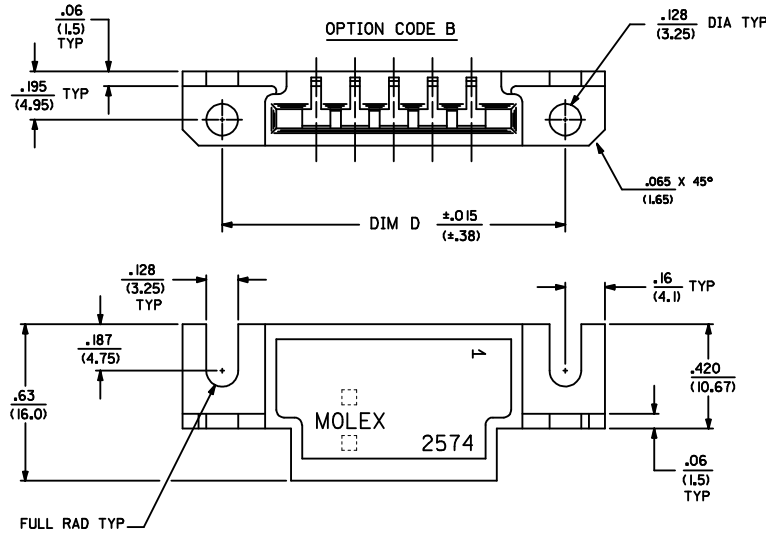
- 1 = NONE
- 2 = 2-3
- 3 = 3-4
- 4 = 5-6
- 5 = 3-4, 5-6
- 6 = 4-5, 7-8
- 7 = 5-6, 8-9
- 8 = 5-6, 10-11
- 9 = 4-5, 7-8, 11-12
- 10 = 5-6, 10-11, 14-15
- 11 = 5-6, 10-11, 15-16
- 12 = 5-6, 11-12, 16-17
- 13 = 5-6, 11-12, 17-18
- 14 = 4-5, 7-8, 11-12, 15-16
- 15 = 4-5, 8-9, 12-13, 16-17, 20-21
- 16 = 5-6, 11-12, 18-19

|   |     |
|---|-----|
| 3 | C10 |
| 2 | C10 |
| 1 | C10 |

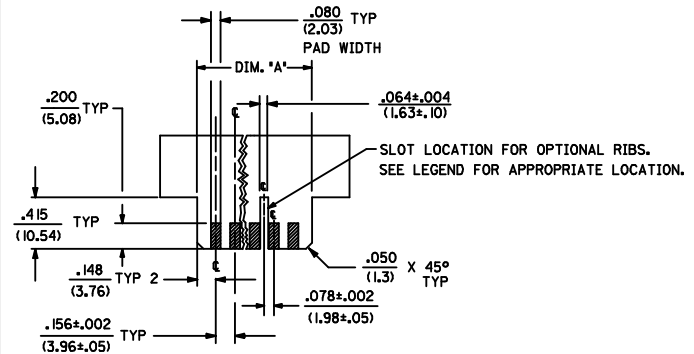
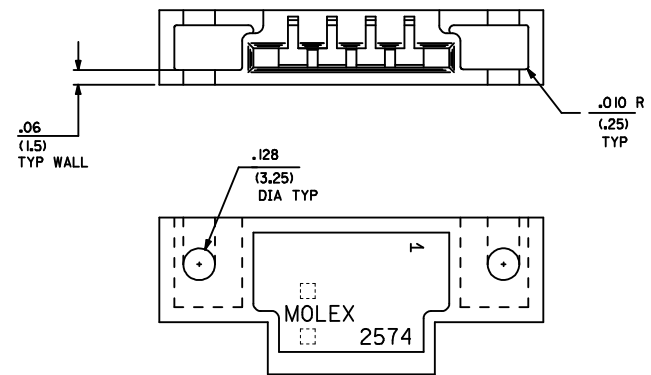
SAI REV.

|                                                                                                                                                                          |                             |                                                                                                                  |  |                                                                                                                                  |  |                                                                               |                      |                         |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------|----------------------|-------------------------|--|
| ADD PART NUMBERS<br>IEC NO: UCP2009-0858<br>DRAWN BY: PEREZ-ARGUET<br>CHECKED BY: PATEL<br>APPROVED BY: LENZ<br>DATE: 2008/12/29<br>DATE: 2008/12/30<br>DATE: 2009/01/05 | QUALITY SYMBOLS<br>=0<br>=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                            |  | DIMENSION STYLE<br>IN/MM                                                                                                         |  | SCALE<br>4:1                                                                  | DESIGN UNITS<br>INCH | THIRD ANGLE PROJECTION  |  |
|                                                                                                                                                                          |                             | 4 PLACES ± --- ± ---<br>3 PLACES ± --- ± .010<br>2 PLACES ± 0.25 ± .015<br>1 PLACE ± 0.36 ± ---<br>ANGULAR ±1/2° |  | DRAWN BY: PEREZ-ARGUET<br>CHECKED BY: PATEL<br>APPROVED BY: LENZ<br>DATE: 1988/03/02<br>DATE: 1988/03/02<br>DATE: 1988/03/02     |  | TITLE<br>EDGE CARD CONNECTOR<br>.156/(3.96) CENTERS<br>CRIMP TYPE-2574 SERIES |                      | MATERIAL NO.<br>SD-2574 |  |
|                                                                                                                                                                          |                             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                       |  | SEE CHART                                                                                                                        |  | DOCUMENT NO.<br>SD-2574                                                       |                      | SHEET NO.<br>1 OF 3     |  |
|                                                                                                                                                                          |                             | SIZE<br>D                                                                                                        |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                                                                               |                      |                         |  |

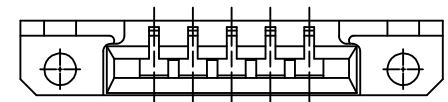
| NO. OF<br>CKT'S | DIM. C           | DIM. D            | DIM. E                    | DIM. A           |
|-----------------|------------------|-------------------|---------------------------|------------------|
| 3               | .632<br>(16.05)  | 1.143<br>(29.03)  | .312±.002<br>(7.92±.05)   | .618<br>(15.70)  |
| 4               | .788<br>(20.02)  | 1.224<br>(31.09)  | .468±.002<br>(11.89±.05)  | .774<br>(19.66)  |
| 5               | .944<br>(23.98)  | 1.380<br>(35.05)  | .624±.003<br>(15.85±.08)  | .922<br>(23.42)  |
| 6               | 1.100<br>(27.94) | 1.536<br>(39.01)  | .780±.003<br>(19.81±.08)  | 1.078<br>(27.38) |
| 7               | 1.256<br>(31.90) | 1.692<br>(42.98)  | .936±.003<br>(23.77±.08)  | 1.232<br>(31.29) |
| 8               | 1.412<br>(35.86) | 1.848<br>(46.94)  | 1.092±.004<br>(27.74±.10) | 1.388<br>(35.26) |
| 9               | 1.568<br>(39.83) | 2.004<br>(50.90)  | 1.248±.004<br>(31.70±.10) | 1.544<br>(39.22) |
| 10              | 1.724<br>(43.79) | 2.160<br>(54.86)  | 1.404±.006<br>(35.66±.15) | 1.700<br>(43.18) |
| 11              | 1.880<br>(47.75) | 2.316<br>(58.83)  | 1.560±.006<br>(39.62±.15) | 1.854<br>(47.09) |
| 12              | 2.036<br>(51.71) | 2.472<br>(62.79)  | 1.716±.006<br>(43.59±.15) | 2.010<br>(51.05) |
| 13              | 2.192<br>(55.68) | 2.628<br>(66.75)  | 1.872±.006<br>(47.55±.15) | 2.164<br>(54.97) |
| 14              | 2.348<br>(59.64) | 2.784<br>(70.71)  | 2.028±.007<br>(51.51±.18) | 2.318<br>(58.88) |
| 15              | 2.504<br>(63.60) | 2.940<br>(74.68)  | 2.184±.007<br>(55.47±.18) | 2.474<br>(62.84) |
| 16              | 2.660<br>(67.56) | 3.096<br>(78.64)  | 2.340±.007<br>(59.44±.18) | 2.631<br>(66.83) |
| 17              | 2.816<br>(71.53) | 3.252<br>(82.60)  | 2.496±.008<br>(63.40±.20) | 2.784<br>(70.71) |
| 18              | 2.972<br>(75.49) | 3.408<br>(86.56)  | 2.652±.009<br>(67.36±.23) | 2.954<br>(75.03) |
| 19              | 3.128<br>(79.45) | 3.564<br>(90.53)  | 2.808±.009<br>(71.32±.23) | 3.095<br>(78.61) |
| 20              | 3.284<br>(83.41) | 3.720<br>(94.49)  | 2.964±.009<br>(75.29±.23) | 3.251<br>(82.58) |
| 21              | 3.440<br>(87.38) | 3.876<br>(98.45)  | 3.120±.010<br>(79.25±.25) | 3.407<br>(86.54) |
| 22              | 3.596<br>(91.34) | 4.032<br>(102.41) | 3.276±.011<br>(83.21±.25) | 3.562<br>(90.47) |
| 23              | 3.752<br>(95.30) | 4.188<br>(106.38) | 3.432±.011<br>(87.17±.28) | 3.716<br>(94.39) |
| 24              | 3.908<br>(99.26) | 4.344<br>(110.34) | 3.588±.012<br>(91.14±.30) | 3.871<br>(98.32) |



OPTION CODE F  
SAME AS OPTION B EXCEPT AS SHOWN



OPTION CODE D  
(SEE OPTIONS B & C  
FOR DIMENSIONS)



|                                                                                                                                            |                                      |                                                                       |                                         |                                                               |                                                       |                                                                              |                           |                             |                    |                               |                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-----------------------------------------------------------------------|-----------------------------------------|---------------------------------------------------------------|-------------------------------------------------------|------------------------------------------------------------------------------|---------------------------|-----------------------------|--------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>REVISE FACTORY ID.</b><br>IEC NO. UCP2009-0858<br>DRAWN BY PER<br>CHKD:SSOUSEK<br>APPR:FSM TH<br>2008/12/29<br>2008/12/30<br>2009/01/05 | <b>QUALITY SYMBOLS</b><br>▽=0<br>▽=0 | <b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b>                          |                                         | <b>DIMENSION STYLE</b><br>IN/MM                               |                                                       | <b>SCALE</b><br>---                                                          |                           | <b>DESIGN UNITS</b><br>INCH |                    | <b>THIRD ANGLE PROJECTION</b> |                                                                                                                               |
|                                                                                                                                            |                                      | 4 PLACES ± ---<br>3 PLACES ± ---<br>2 PLACES ± 0.13<br>1 PLACE ± 0.25 | mm<br>INCH<br>± .005<br>± .01<br>± .025 | DRAWN BY PEREZ-ARGUET<br>CHECKED BY PATEL<br>APPROVED BY LENZ | DATE 1988/03/02<br>DATE 1988/03/02<br>DATE 1988/03/02 | TITLE<br>EDGE CARD CONNECTOR<br>.156(3.96) CENTERS<br>CRIMP TYPE-2574 SERIES | MATERIAL NO.<br>SEE CHART | DOCUMENT NO.<br>SD-2574     | MOLEX INCORPORATED | SHEET NO.<br>2 OF 3           | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |

lb\_frame\_D\_P\_ME\_T  
Rev. D 2004/04/02