



Pushing Performance  
Since 1945

# Carrier\_BT494030\_SOT23-3\_v LCP

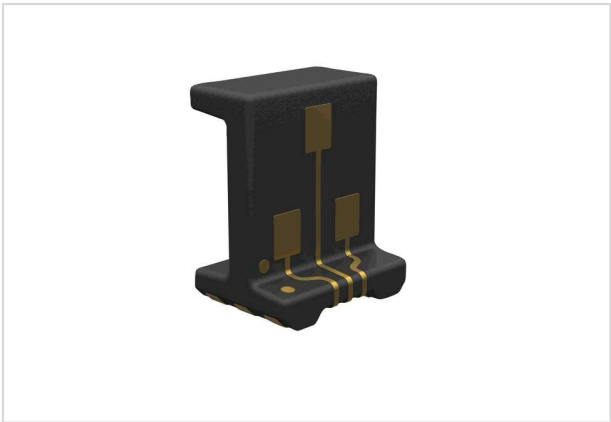


Image is for illustration purposes only. Please refer to product description.

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Part number        | 78 01 030 0005                                                                |
| Specification      | Carrier_BT494030_SOT23-3_v LCP                                                |
| HARTING eCatalogue | <a href="https://harting.com/78010300005">https://harting.com/78010300005</a> |

## Identification

|               |                                              |
|---------------|----------------------------------------------|
| Category      | Surface Mount Device                         |
| Series        | 3D-MID                                       |
| Element       | Carrier for electronic components            |
| Specification | Interconnection                              |
| Features      | Other materials or trace layouts on request! |

## Version

|               |                                                                              |
|---------------|------------------------------------------------------------------------------|
| Fixing        | PCB assembly (SMD)                                                           |
| Pack contents | Tape & reel<br>3400 pieces on reel<br>Lower quantities available on request! |

## Technical characteristics

|                       |                 |
|-----------------------|-----------------|
| Operating temperature | -40 ... +125 °C |
| Storage temperature   | -40 ... +125 °C |

## Material properties

|                    |                                                                                                 |
|--------------------|-------------------------------------------------------------------------------------------------|
| Material           | Liquid crystal polymer (LCP)                                                                    |
| Surface (contacts) | Au ( $\geq 0.05 \mu\text{m}$ ) over Ni ( $\geq 4 \mu\text{m}$ ) over Cu (5...11 $\mu\text{m}$ ) |
| Length             | 4.9 mm                                                                                          |
| Width              | 4 mm                                                                                            |
| Height             | 3 mm                                                                                            |
| RoHS               | compliant                                                                                       |
| ELV status         | compliant                                                                                       |



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Material properties

|                                      |               |
|--------------------------------------|---------------|
| China RoHS                           | e             |
| REACH Annex XVII substances          | Not contained |
| REACH ANNEX XIV substances           | Not contained |
| REACH SVHC substances                | Not contained |
| California Proposition 65 substances | Not contained |

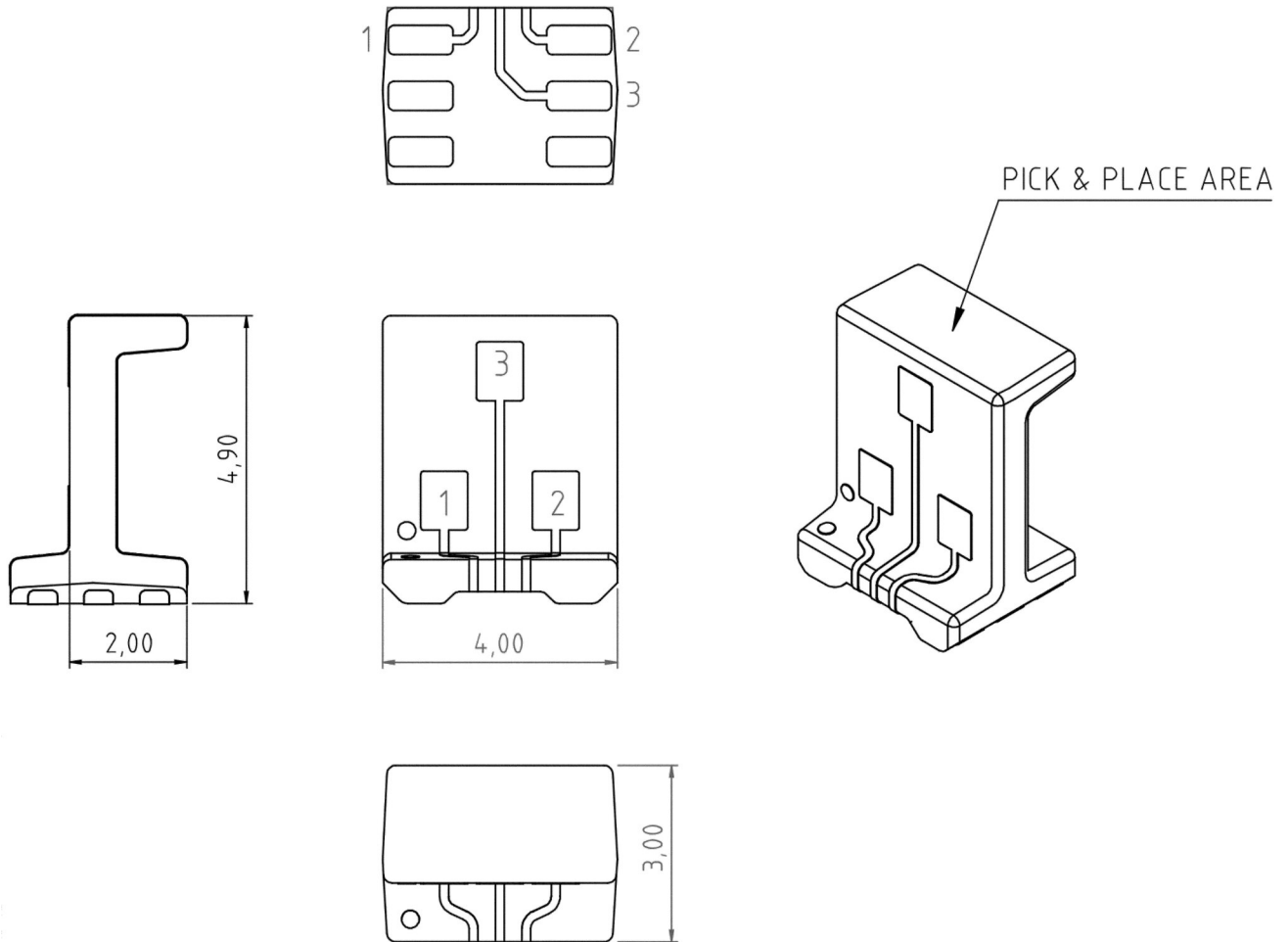
Commercial data

|                                |                                                         |
|--------------------------------|---------------------------------------------------------|
| Packaging size                 | 1                                                       |
| Net weight                     | 0.742 g                                                 |
| Country of origin              | Switzerland                                             |
| European customs tariff number | 85340090                                                |
| GTIN                           | 5713140277410                                           |
| eCl@ss                         | 27469090 PCB connection technology (other, unspecified) |
| ETIM                           | EC002637                                                |
| UNSPSC 24.0                    | 39121415                                                |

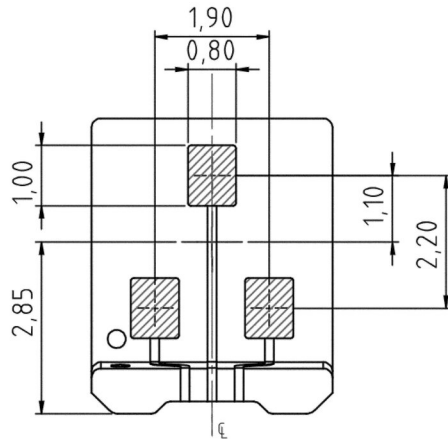
Other materials or trace layouts on request!



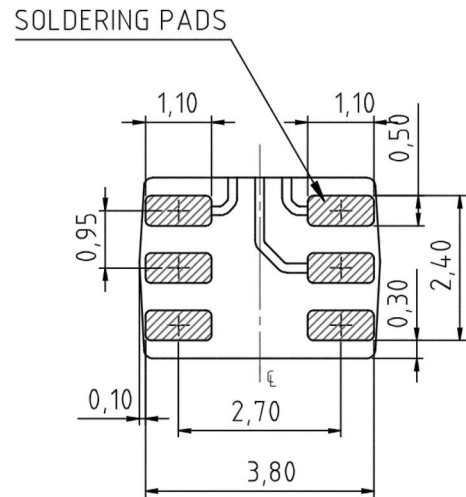
Drawing (dimensions in mm)



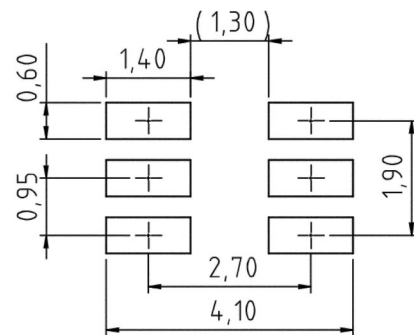
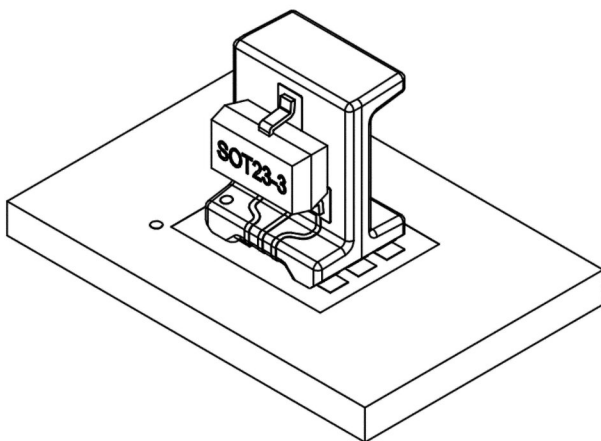
Drawing (dimensions in mm)



COMPONENT PADS LAYOUT  
SOT23-3

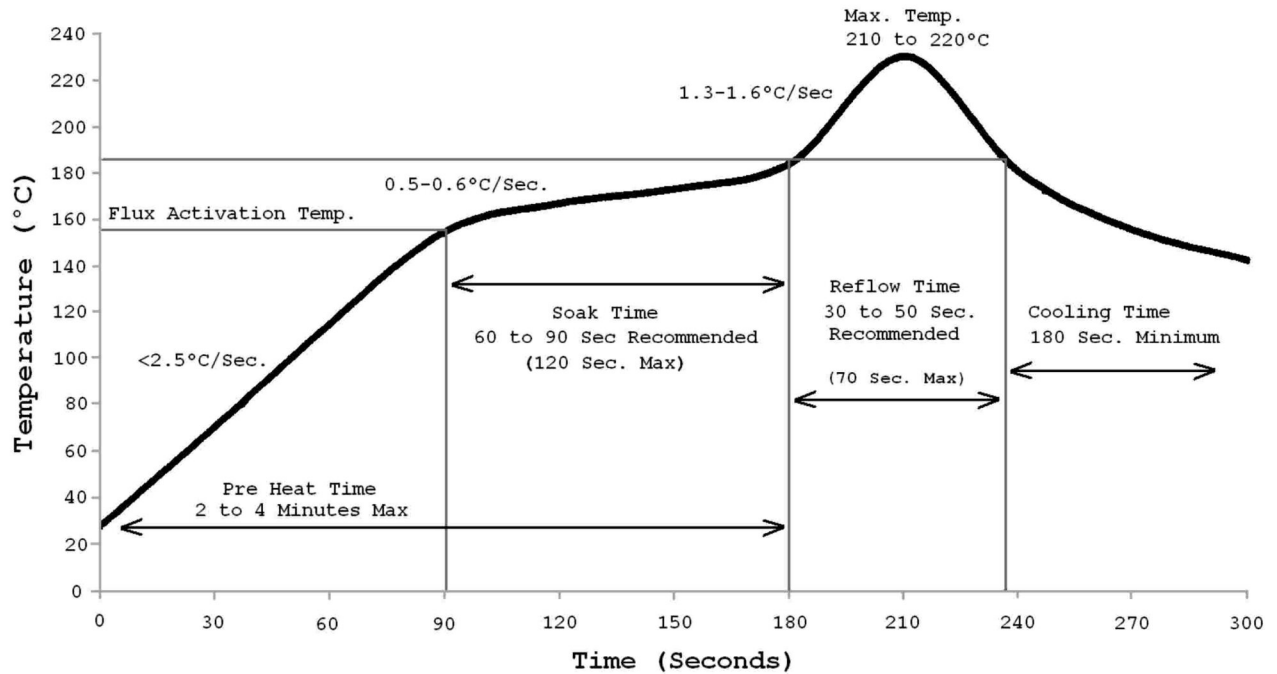


CARRIER PATTERN LAYOUT

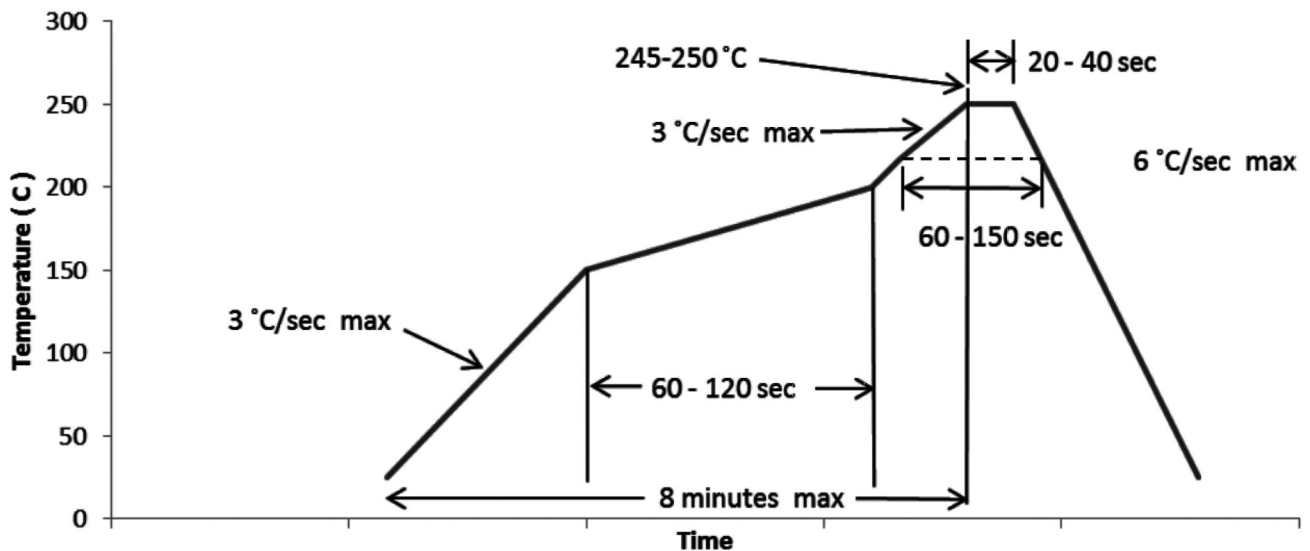


RECOMMENDED PCB PATTERN LAYOUT

## Soldering instructions



## PB-free soldering profile (J-STD-020C)





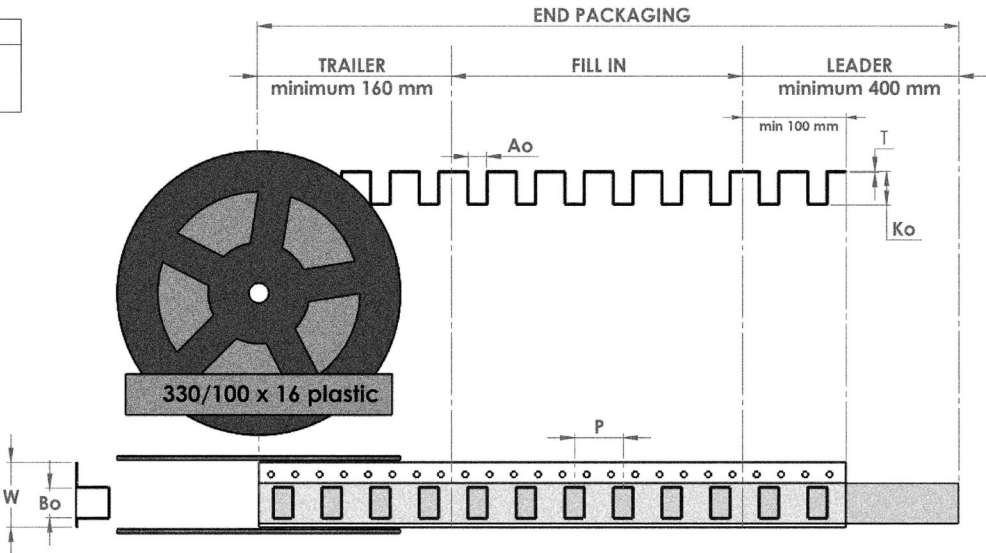
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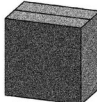
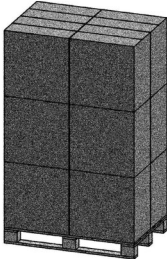
Tape layout & packaging

BT494030

| MATERIAL                                                |  |
|---------------------------------------------------------|--|
| PS Conductive Black                                     |  |
| surface resistance 10 <sup>3</sup> Ω -10 <sup>6</sup> Ω |  |

| DIMENSIONS |          |
|------------|----------|
| W          | = 16 mm  |
| P          | = 8 mm   |
| T          | = 0,4 mm |
| Ao         | = 3,3 mm |
| Bo         | = 4,3 mm |
| Ko         | = 5,2 mm |
|            |          |
| TRAILER    | 20 cvt   |
| FILL IN    | 1700 pcs |
| LEADER     | 50 cvt   |



| PACKING   |                                                                                     |                       |                                                                                     |                                                                                       |                     |
|-----------|-------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------|
|           |                                                                                     | REEL                  |                                                                                     | BOX                                                                                   | PALLET              |
| LENGTH    |  | 42 m                  |  | 630m                                                                                  | 7560 m              |
| CAVITIES  |                                                                                     | 5250 cvt              |                                                                                     | 78750 cvt                                                                             | 945000 cvt          |
| PARTS     |                                                                                     | 3400 pcs[2x1700]      |                                                                                     | 51000 pcs                                                                             | 612000 pcs          |
| WEIGHT    |                                                                                     | 0,63kg                |                                                                                     | 10,71 kg                                                                              | 143,5 kg            |
| QTY       |                                                                                     | Single Reel           |                                                                                     | 15 reels/box                                                                          | 12 boxes/pallet     |
| DIMENSION |                                                                                     | 560/76 x 16 cardboard |                                                                                     | 39 x 58 x 58 [cm]                                                                     | 80 x 120 x 190 [cm] |
|           |                                                                                     |                       |                                                                                     |  |                     |