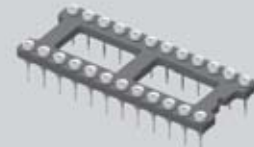


IC0-320-CTT



IC0-624-MGT

(2,54mm) .100"

IC0 SERIES

LOW PROFILE OPEN BODY DIP SOCKETS

Mates with:
APA

| IC0 | ROW SPACING & NO. OF CONTACTS | STYLE OPTION | PLATING OPTION | OPTION (Leave Blank for Standard Version) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------------------------|--|----------------|---|----------|------|-------------|----|------|----|------|----|------|----|------|----|------|--------------|----|------|----|------|--------------|----|------|----|------|----|------|--|----|------|----|---|---|
| Specify from chart below | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <ul style="list-style-type: none"> Low profile down to (2,11mm) .083" above printed circuit board Side & end stackable Open body design Surface mountable lead sockets | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <table border="1"> <thead> <tr> <th></th> <th>Row Space</th> <th>Contacts</th> </tr> </thead> <tbody> <tr><td>-308</td><td rowspan="5">.300 (7,62)</td><td>08</td></tr> <tr><td>-314</td><td>14</td></tr> <tr><td>-316</td><td>16</td></tr> <tr><td>-318</td><td>18</td></tr> <tr><td>-320</td><td>20</td></tr> <tr><td>-322</td><td rowspan="2">.400 (10,16)</td><td>22</td></tr> <tr><td>-324</td><td>24</td></tr> <tr><td>-422</td><td rowspan="3">.600 (15,24)</td><td>24</td></tr> <tr><td>-624</td><td>28</td></tr> <tr><td>-628</td><td>32</td></tr> <tr><td>-632</td><td rowspan="2"></td><td>32</td></tr> <tr><td>-640</td><td>40</td></tr> </tbody> </table> | | Row Space | Contacts | -308 | .300 (7,62) | 08 | -314 | 14 | -316 | 16 | -318 | 18 | -320 | 20 | -322 | .400 (10,16) | 22 | -324 | 24 | -422 | .600 (15,24) | 24 | -624 | 28 | -628 | 32 | -632 | | 32 | -640 | 40 | <p>GG = 30µ" (0,76µm) Gold Contact, 10µ" (0,25µm) Gold Shell</p> <p>GT = 30µ" (0,76µm) Gold Contact, Tin Shell</p> <p>TT = Tin Contact and Shell (-C, -S, -ZS, -A, -L, -M, -N, only)</p> <p>ST = 10µ" (0,25µm) Gold Contact, Tin Shell (Styles -S & -ZS only)</p> | <p>-L = Locking Socket</p> <p>Requires Style -S, -ZS or -P and (0,89mm) .035" ± (0,08mm) .003" board hole.</p> <p>Requires GT Plating Option</p> |
| | Row Space | Contacts | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -308 | .300 (7,62) | 08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -314 | | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -316 | | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -318 | | 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -320 | | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -322 | .400 (10,16) | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -324 | | 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -422 | .600 (15,24) | 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -624 | | 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -628 | | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -632 | | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -640 | | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

SPECIFICATIONS

For complete specifications see www.samtec.com?IC0

Insulator Material: Black Glass Filled Polyester
Contact: BeCu
Shell: Brass except style K Phosphor Bronze
Plating: Au or Sn over 50µ" (1,27µm) Ni
Flammability Rating: UL 94V-O
Insulation Resistance: 5000 MΩ min
Temperature Range: -55°C to +125°C with Gold -55°C to +105°C with Tin
Withstanding Voltage: 1000 VRMS @ 60 Hz
Current Rating: 1A
Contact Resistance: 10mΩ max
Lead Size Range: (0,38mm) .015" to (0,56mm) .022" DIA and most IC leads except C, L, M, and N
Insertion Force: (Single Contact only) Standard = 9 oz avg, 16 oz max; Low Insertion Force = 2.5 oz avg, 5.5 oz max
Withdrawal Force: (Single Contact only) Standard = 2.5 oz avg, 1.5 oz min; Low Insertion Force = 2.0 oz avg, 0.35 oz min except
Lead-Free Solderable: Wave only
RoHS Compliant: Yes

Note: Some sizes, styles and options are non-standard, non-returnable.

| -L = Low Profile | -M = Low Profile For LIF Specify -ZM | -N = Micro Socket | | | | | | | | | | | | |
|---|--|---|-------------|-------|--------|---|-----------|-------------|-------------|-------------|-----|-------------|-------------|-------------|
| <p>Lead DIA Accepted = (0,38mm) .015" to (0,51mm) .020"</p> | <p>Lead DIA Accepted = (0,41mm) .016" to (0,53mm) .021"</p> | <p>Lead DIA Accepted = (0,41mm) .016" to (0,51mm) .020"</p> | | | | | | | | | | | | |
| -C = Micro Socket For LIF Specify -ZC | -S, -ZS, -ZA = Printed Circuit -ZS & -ZA= Low Insertion Force | | | | | | | | | | | | | |
| <p>Lead DIA Accepted = (0,41mm) .016" to (0,51mm) .020"</p> | <table border="1"> <thead> <tr> <th>LEAD STYLE</th> <th>X DIA</th> <th>Y TAIL</th> <th>Z</th> </tr> </thead> <tbody> <tr> <td>-S or -ZS</td> <td>(0,51) .020</td> <td>(3,18) .125</td> <td>(7,62) .300</td> </tr> <tr> <td>-ZA</td> <td>(0,51) .020</td> <td>(4,57) .180</td> <td>(8,89) .350</td> </tr> </tbody> </table> <p>Locking lead (-L) available. See OPTION.</p> | | LEAD STYLE | X DIA | Y TAIL | Z | -S or -ZS | (0,51) .020 | (3,18) .125 | (7,62) .300 | -ZA | (0,51) .020 | (4,57) .180 | (8,89) .350 |
| LEAD STYLE | X DIA | Y TAIL | Z | | | | | | | | | | | |
| -S or -ZS | (0,51) .020 | (3,18) .125 | (7,62) .300 | | | | | | | | | | | |
| -ZA | (0,51) .020 | (4,57) .180 | (8,89) .350 | | | | | | | | | | | |

Due to technical progress, all designs, specifications and components are subject to change without notice.

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