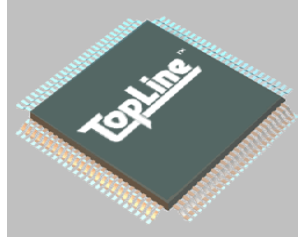


## QFP Quad Flat Pack



**QFP**

**100**

**T**

**25**

**-**

**3.9**

**-**

**Options**

**DEVICE**

QFP = Quad Flat Pack  
also known as  
PQFP and MQFP

**NUMBER LEADS**

**LEAD PITCH (MIL)**

MIL	MM
40	1.0mm
30	0.8mm
25	0.65mm
19.7	0.5mm
15.7	0.4mm

**FOOTPRINT**

Add to body for  
total tip to tip  
dimensions.

2.6 = 2.6mm

3.2 = 3.2mm

3.9 = 3.9mm

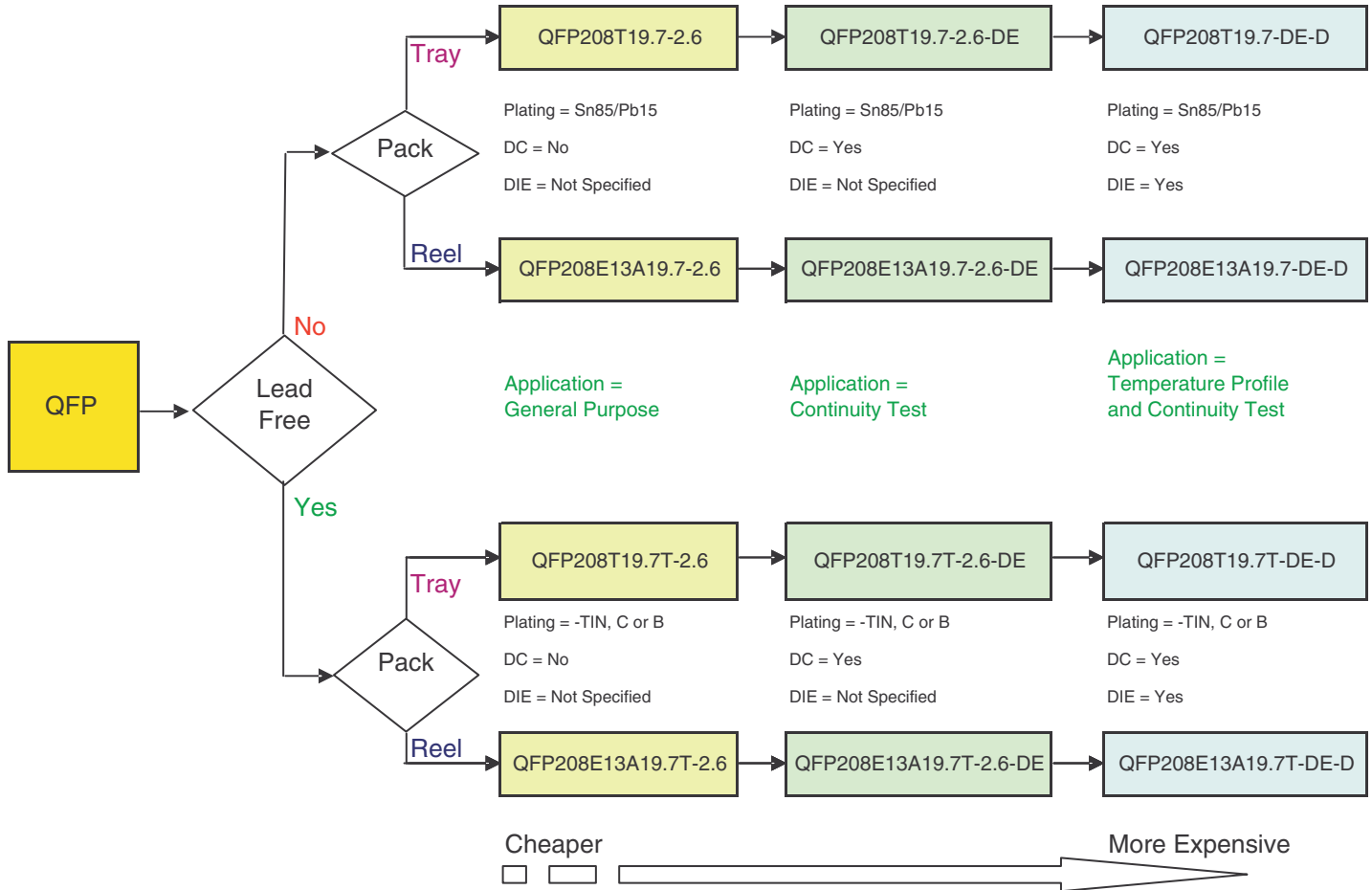
**PACKAGING**

T = Tray  
E7A = 7" Tape & Reel  
E13A = 13" Tape & Reel  
X = Single Pack

**OPTIONS**

Blank = Unspecified  
DE = Daisy Chain Even  
ISO = Isolated  
D = Die

## Substituting QFP



**Suffix Codes:**

"DE" = Daisy Chain "Even" (1-2, 3-4, 5-6, 7-8, etc) "ISO"= Isolated connections "BUS" = All Leads Connected.

Lead Free Plating: "TIN" = "T" = Sn100, B = Sn97/Bi3.0 C = Sn98/Cu2.0

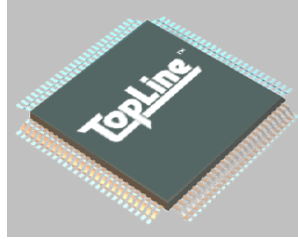
Pack: "T" = Tray, E13A = 13" Reel, E7A = 7" Reel, "E" = Carrier Tape without Reel, "X" = mini Pack Bags

"D" = Silicon Dummy DIE

"2.6" = Footprint Adder (mm) (Typically: 2.6, 3.2 or 3.9 depending on lead count & body size)

Pitch in mils: 15.7 = 0.4mm, 19.7 = 0.5mm, 25 = 0.65mm, 30 = 0.8mm, 40 = 1.0mm

## TQFP Thin Quad Flat Pack



**TQFP**

**100**

**T**

**25**

**Lead**

**Plating**

**Option**

**DEVICE**

TQFP = Thin Quad Flat Pack  
1.0mm Thick

**LEAD PITCH (MIL)**

MIL	MM
40	1.0mm
30	0.8mm
25	0.65mm
19.7	0.5mm
15.7	0.4mm

**NUMBER LEADS**

**PACKAGING**

T = Tray  
E7A = 7" Reel (special)  
E13A = 13" Reel  
X = Small Pack  
E = Carrier (No Reel)

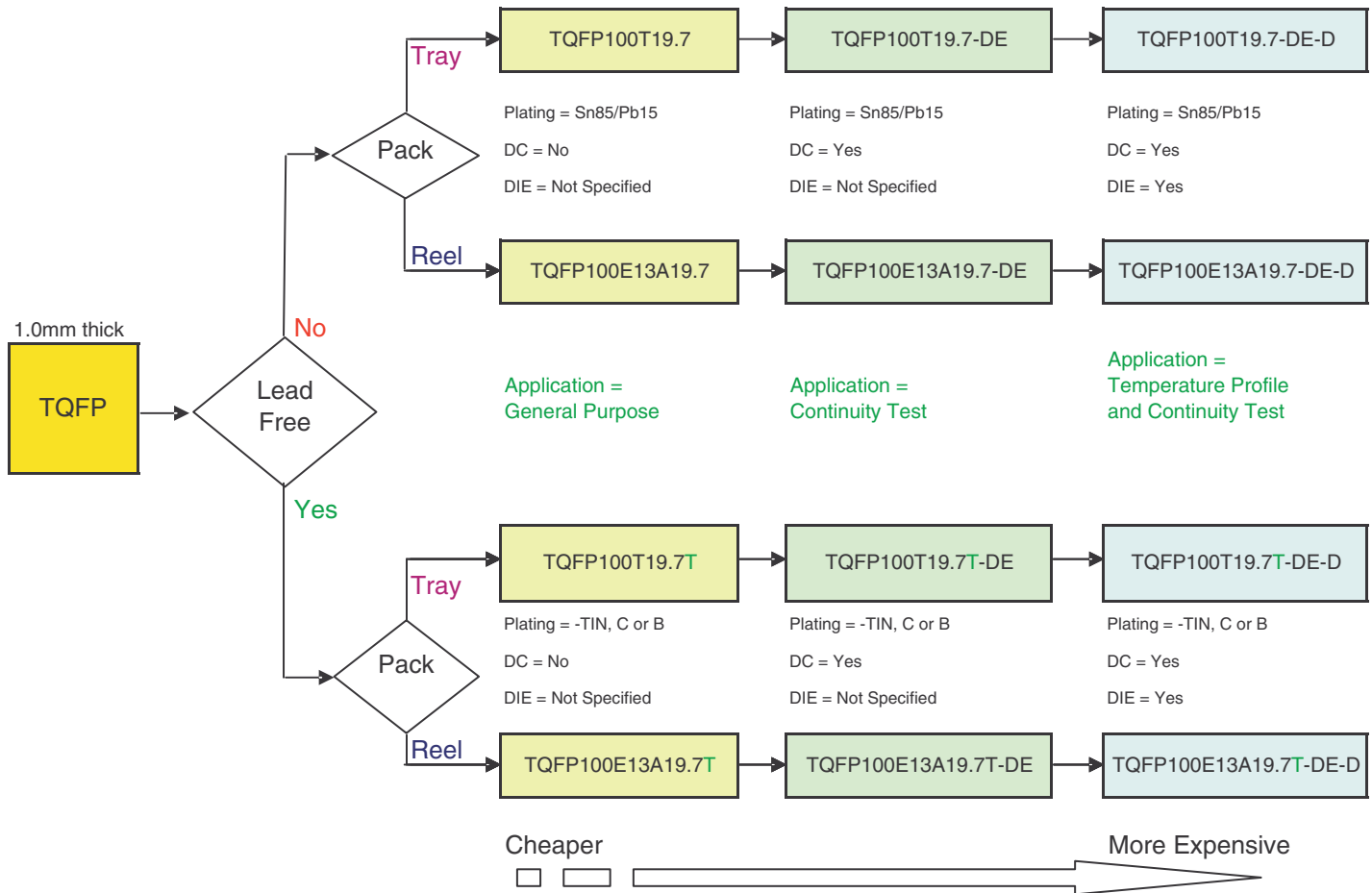
**LEAD PLATING**

Blank = Sn85/Pb15  
T = Sn100 Tin  
B = Sn97/Bi3.0  
C = Sn98/Cu2.0

**OPTIONS**

Blank = Unspecified  
DE = Daisy Chain Even  
ISO = Isolated  
D = Die

## Substituting TQFP



### Suffix Codes:

"DE" = Daisy Chain "Even" (1-2, 3-4, 5-6, 7-8, etc) "ISO" = Isolated connections "BUS" = All Leads Connected.

Lead Free Plating: "TIN" = "T" = Sn100, B = Sn97/Bi3.0 C = Sn98/Cu2.0

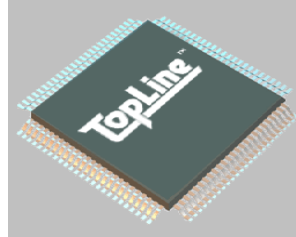
Pack: "T" = Tray, E13A = 13" Reel, E7A = 7" Reel, "E" = Carrier Tape without Reel, "X" = mini Pack Bags

"D" = Silicon Dummy DIE

Footprint Adder assumed 2.0mm.

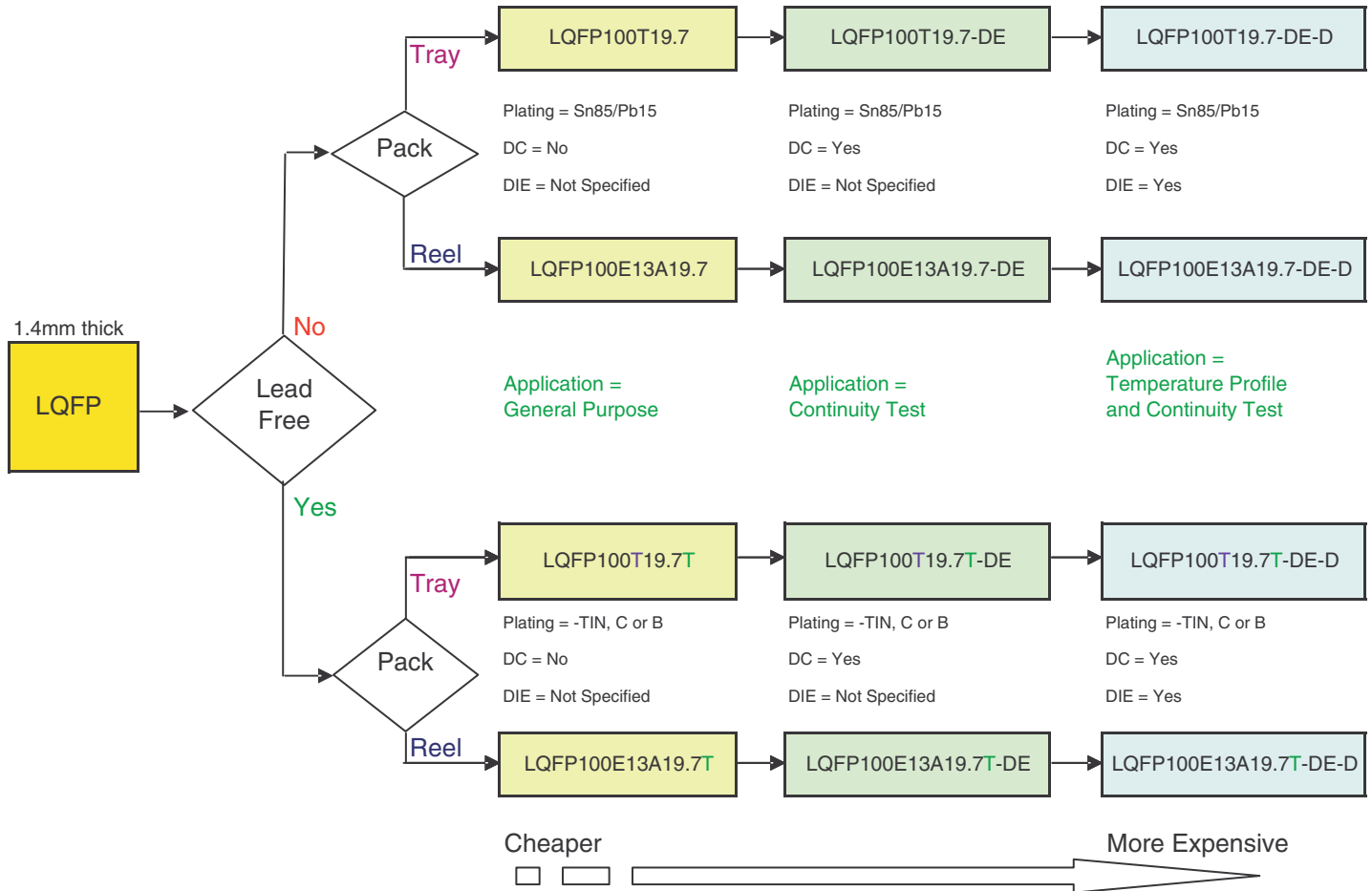
Pitch in mils: 15.7 = 0.4mm, 19.7 = 0.5mm, 25 = 0.65mm, 30 = 0.8mm, 40 = 1.0mm

## LQFP Low Quad Flat Pack



LQFP	100	T	25	-	Lead Plating	-	Option																	
<p><b>DEVICE</b></p> <p>LQFP = Low Quad Flat Pack 1.4mm Thick</p>		<p><b>LEAD PITCH (MIL)</b></p> <table border="1"> <thead> <tr> <th>MIL</th> <th>MM</th> </tr> </thead> <tbody> <tr> <td>40</td> <td>1.0mm</td> </tr> <tr> <td>30</td> <td>0.8mm</td> </tr> <tr> <td>25</td> <td>0.65mm</td> </tr> <tr> <td>19.7</td> <td>0.5mm</td> </tr> <tr> <td>15.7</td> <td>0.4mm</td> </tr> <tr> <td>11.8</td> <td>0.3mm</td> </tr> </tbody> </table>		MIL	MM	40	1.0mm	30	0.8mm	25	0.65mm	19.7	0.5mm	15.7	0.4mm	11.8	0.3mm	<p><b>LEAD PLATING</b></p> <p>Blank = Sn85/Pb15 T = Sn100 Tin B = Sn97/Bi3.0 C = Sn98/Cu2.0</p>		<p><b>PACKAGING</b></p> <p>T = Tray E7A = 7" Reel E13A = 13" Reel X = Small Pack E = Carrier (No Reel)</p>			<p><b>OPTIONS</b></p> <p>Blank = Unspecified DE = Daisy Chain Even ISO = Isolated D = Die</p>	
MIL	MM																							
40	1.0mm																							
30	0.8mm																							
25	0.65mm																							
19.7	0.5mm																							
15.7	0.4mm																							
11.8	0.3mm																							
<b>NUMBER LEADS</b>																								

## Substituting LQFP



### Suffix Codes:

"DE" = Daisy Chain "Even" (1-2, 3-4, 5-6, 7-8, etc) "ISO" = Isolated connections "BUS" = All Leads Connected.

Lead Free Plating: "TIN" = "T" = Sn100, B = Sn97/Bi3.0 C = Sn98/Cu2.0

Pack: "T" = Tray, E13A = 13" Reel, E7A = 7" Reel, "E" = Carrier Tape without Reel, "X" = mini Pack Bags

"D" = Silicon Dummy DIE

Footprint Adder assumed 2.0mm.

Pitch in mils: 15.7 = 0.4mm, 19.7 = 0.5mm, 25 = 0.65mm, 30 = 0.8mm, 40 = 1.0mm



## Part Numbering System

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