

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

20

© COPYRIGHT 20

BY TYCO ELECTRONICS CORPORATION, ALL RIGHTS RESERVED.

LOC

	DIST
--	-------------

REVISIONS

DY

P

	LTR
--	------------

DESCRIPTION
1. The first step in the process of creating a new product is to identify a market need. This involves conducting market research to determine what consumers want and need. Once a need is identified, the next step is to develop a concept that addresses that need.
2. The second step is to develop a business plan. This document outlines the company's goals, strategies, and financial projections. It is essential for securing funding and guiding the company's operations. The business plan should also include a marketing strategy to reach the target market.
3. The third step is to create a prototype. This is a physical model of the product that allows the company to test its design and functionality. Prototyping is crucial for identifying potential issues early in the development process and making necessary adjustments.
4. The fourth step is to conduct a pilot test. This involves releasing a limited quantity of the product into the market to gather feedback from real users. Pilot testing helps the company understand how the product performs in the wild and what changes might be needed before a full-scale launch.
5. The final step is to launch the product. This involves a coordinated effort to promote the product, distribute it, and provide customer support. A successful launch is critical for the company's long-term success and growth.

DATE _____

	DWN
--	------------

	APVD
--	-------------

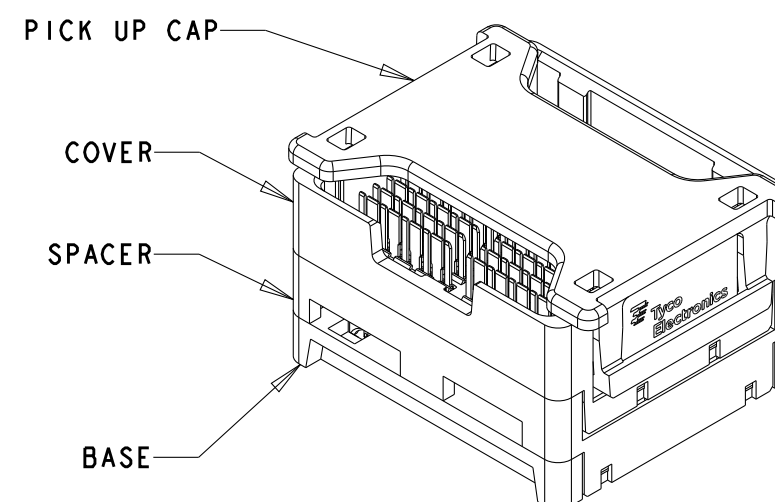
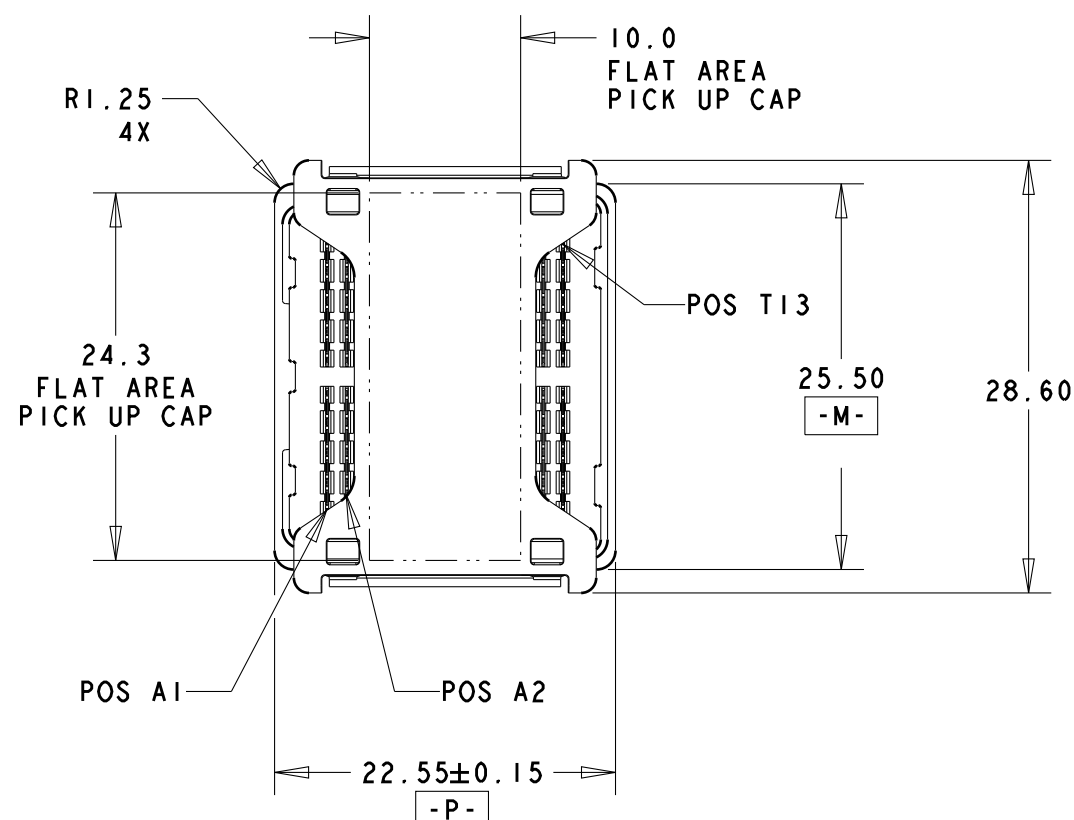
	A?
--	----

REVISÉD PER ECR-10-013879

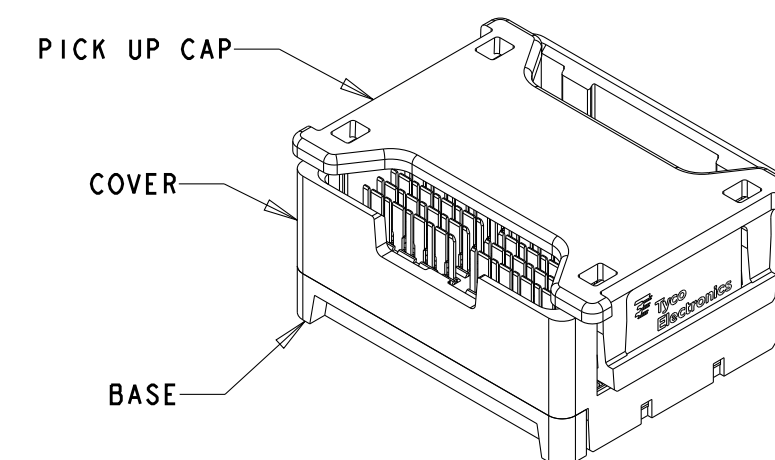
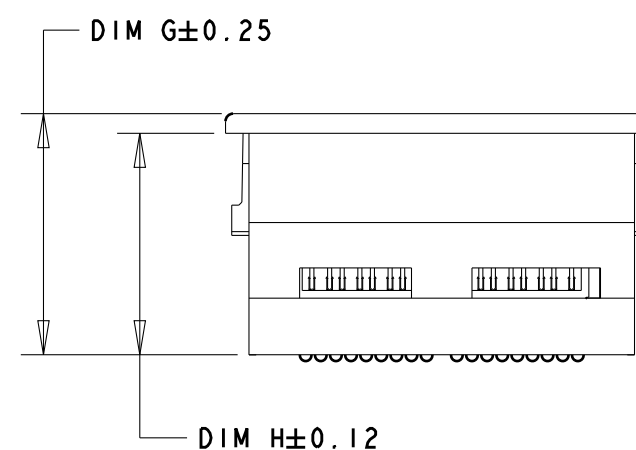
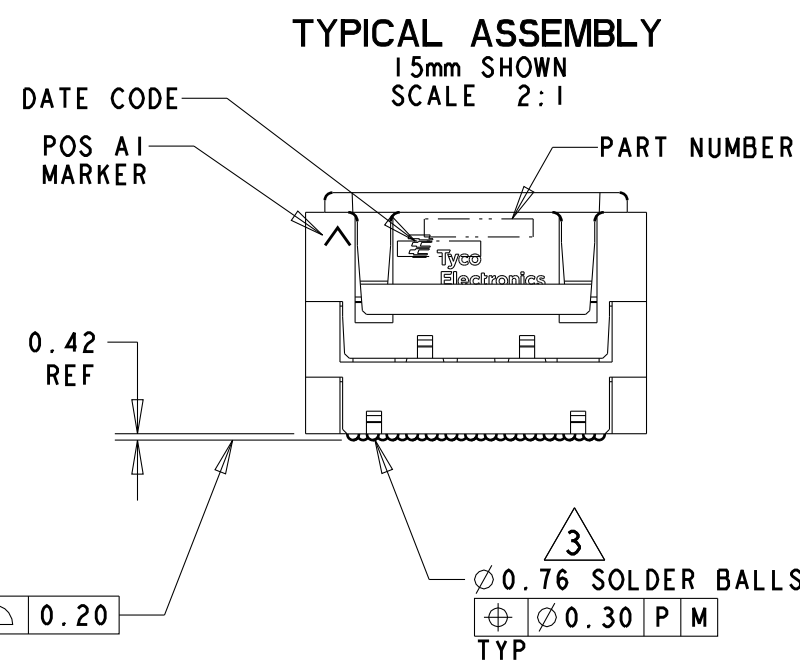
01 JUL 2010

SY.1

LSF



ISOMETRIC VIEW
TYPICAL CONFIGURATION FOR
15mm & 20mm ASSEMBLY
SCALE 2:1



ISOMETRIC VIEW
TYPICAL CONFIGURATION FOR
10mm, 12mm & 13mm ASSEMBLY
SCALE 2:1

THIS DRAWING IS A CONTROLLED DOCUMENT FOR TYCO ELECTRONICS CORPORATION
IT IS SUBJECT TO CHANGE AND THE CONTROLLING ENGINEERING ORGANIZATION
SHOULD BE CONTACTED FOR THE LATEST REVISION.

DWN	18 JAN 05
D. BRANDBERG	

CHK	20 JAN 05
-----	-----------

D WERTZ	
APVD	20 JAN 05
G WERTZ	

D WERTZ
PRODUCT SPEC

108-2143

APPLICATION SPEC

114-13101
WEIGHT



**Tyco Electronics
Singapore**

5	NAME	STEP-Z, PLUG ASSEMBLY, 104 SIGNAL POSITION
---	------	---

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
------	-----------	------------	---------------

A 300779C-1761612

SCALE	SHEET	OF	REV A
-------	-------	----	-------

LOC DY	DIST -	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
			-	SEE SHEET 1	-	-	-

- 1

MATERIAL:
BASE, SPACER, COVER: THERMOPLASTIC
PICK UP CAP: THERMOPLASTIC
CONTACT: COPPER ALLOY
SOLDER BALL: Sn/Pb FOR P/N 1761612-1 THRU 5-1761612-0
Sn/Ag FOR P/N 5-1761612-1 THRU 9-1761612-9
- 2

FINISH:
CONTACT: 0.00076 MIN GOLD OVER 0.00127 MIN NICKEL.
(30µ" MIN GOLD OVER 50µ" MIN NICKEL)
- 3

SOLDER BALLS WILL NOT BE PERFECT
SPHERICAL SHAPE DUE TO REFLOW ATTACHMENT.
- 4

CONTACTS IN ROWS A,C,E,G,J,K,M,P,R, AND T
ARE SINGLE BEAM CONTACTS,
TYPICALLY USED AS GROUND PINS.
(NOTE: CONTACTS IN ROW J & K ARE TIED
TOGETHER [COMMONED]).
- 5

CONTACTS IN ROWS B,D,F,H,L,N,O, AND S
ARE DUAL BEAM CONTACTS,
TYPICALLY USED AS SIGNAL PINS.
- 6

SPECIFIED POSITIONAL TOLERANCE DEFINES PAD TO PAD
LOCATION WITHIN LAND PATTERN. POSITIONAL TOLERANCE
OF LAND PATTERN TO FUDICIAL MARKS OR PCB DATUMS
SHALL BE DEFINED BY CUSTOMER. FOR RECOMMENDED
PRODUCT APPLICATION AND PCB DESIGN DETAILS, SEE
APPLICATION SPEC 114-13101.

19.65	20.95	-	20mm Sn/Ag	7-1761612-0
14.65	15.95	-	15mm Sn/Ag	6-1761612-5
12.65	13.95	-	13mm Sn/Ag	6-1761612-3
11.65	12.95	-	12mm Sn/Ag	6-1761612-2
9.65	10.95	-	10mm Sn/Ag	6-1761612-0
19.65	20.95	-	20mm Sn/Pb	2-1761612-0
14.65	15.95	-	15mm Sn/Pb	1-1761612-5
12.65	13.95	-	13mm Sn/Pb	1-1761612-3
11.65	12.95	-	12mm Sn/Pb	1-1761612-2
9.65	10.95	-	10mm Sn/Pb	1-1761612-0
DIM H	DIM G	LOAD STYLE	DESCRIPTION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT FOR TYCO ELECTRONICS CORPORATION
IT IS SUBJECT TO CHANGE AND THE CONTROLLING ENGINEERING ORGANIZATION
SHOULD BE CONTACTED FOR THE LATEST REVISION.

DIMENSIONS:

mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±
1 PLC ±0.3
2 PLC ±0.10
3 PLC ±0.050
4 PLC ±
ANGLES ±2°
FINISH -

MATERIAL

-

DWN
P BRANDBERG
18JAN05

CHK
D WERTZ
20JAN05

APVD
D WERTZ
20JAN05

PRODUCT SPEC
-

APPLICATION SPEC
-

WEIGHT
-

CUSTOMER DRAWING

Tyco Electronics
Singapore

NAME
STEP-Z, PLUG ASSEMBLY,
104 SIGNAL POSITION
-

SIZE
A3

CAGE CODE
00779

DRAWING NO
C-1761612

RESTRICTED TO
-

SCALE
-

SHEET
2

OF
3

REV
A2

AMP 1470-19 REV 31MAR2000

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[1-1761612-2](#)