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Part Number: [0353120263](#)
Status: **Active**
Description: 2.50mm (.098") Pitch Header, Vertical, Shrouded, with Positive Lock, 2 Circuits, PA Polyamide (Nylon) 6/6, Glass-filled, Blue

Documents:

3D Model	Product Specification PS-35155-002 (PDF)
Packaging Specification (PDF)	RoHS Certificate of Compliance (PDF)
Drawing (PDF)	

Agency Certification

CSA	LR19980
TUV	E9450420E01
UL	E29179

General

Product Family	PCB Headers
Series	35312
Application	Wire-to-Board
Product Name	N/A

Physical

Breakaway	No
Circuits (Loaded)	2
Circuits (maximum)	2
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.134 In
PC Tail Length (mm)	3.40 mm
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Bag
Pitch - Mating Interface (in)	0.098 In
Pitch - Mating Interface (mm)	2.50 mm
Polarized to PCB	No
Shrouded	Partial
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	3A
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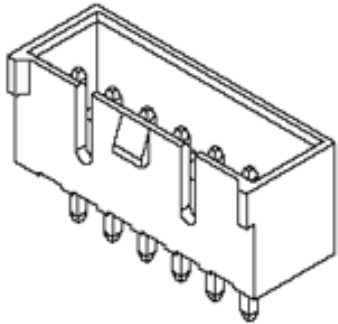


image - Reference only

Series

EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Halogen-Free

China RoHS



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

Email 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

[35312Series](#)

Mates With

Wire-to-Wire and Wire-to-Board Housing
[35572 Crimp Housing](#), [35155](#)

Voltage - Maximum

250V

Material Info

Reference - Drawing Numbers

Product Specification

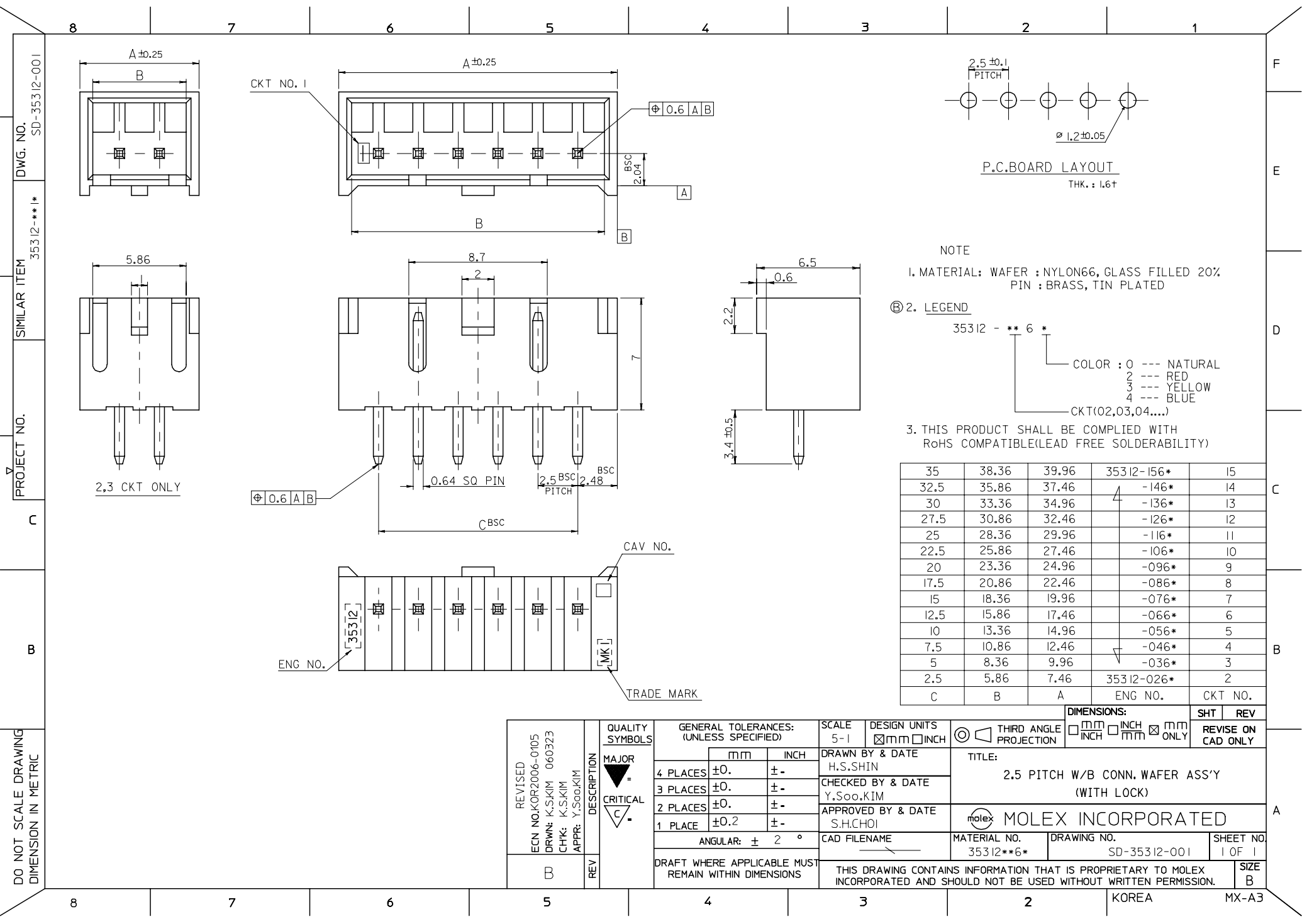
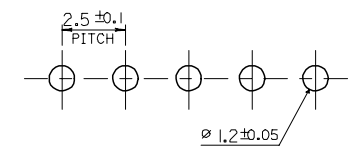
PS-35155-002

Sales Drawing

SD-35312-001, SD-35312-004, SD-35312-005

This document was generated on 04/14/2010

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P.C. BOARD LAYOUT
THK. : 1.6+

- NOTE
1. MATERIAL: WAFER : NYLON66, GLASS FILLED 20%
PIN : BRASS, TIN PLATED
- ② 2. LEGEND
- 35312 - ** 6 *
- COLOR : 0 --- NATURAL
2 --- RED
3 --- YELLOW
4 --- BLUE
- CKT(02,03,04,...)
3. THIS PRODUCT SHALL BE COMPLIED WITH
ROHS COMPATIBLE(LEAD FREE SOLDERABILITY)

35	38.36	39.96	35312-156*	15
32.5	35.86	37.46	-146*	14
30	33.36	34.96	-136*	13
27.5	30.86	32.46	-126*	12
25	28.36	29.96	-116*	11
22.5	25.86	27.46	-106*	10
20	23.36	24.96	-096*	9
17.5	20.86	22.46	-086*	8
15	18.36	19.96	-076*	7
12.5	15.86	17.46	-066*	6
10	13.36	14.96	-056*	5
7.5	10.86	12.46	-046*	4
5	8.36	9.96	-036*	3
2.5	5.86	7.46	35312-026*	2
C	B	A	ENG NO.	CKT NO.

DO NOT SCALE DRAWING DIMENSION IN METRIC	B	REV	DESCRIPTION	MAJOR CRITICAL C	QUALITY SYMBOLS	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE 5-1	DESIGN UNITS ☒ mm ☐ INCH	THIRD ANGLE PROJECTION	DIMENSIONS:		SHT REV	REVISE ON CAD ONLY	
						mm	INCH				☐ mm ☐ INCH	☒ mm ONLY			
						4 PLACES ±0.					DRAWN BY & DATE H.S.SHIN				
						3 PLACES ±0.					CHECKED BY & DATE Y.Soo.KIM				
2 PLACES ±0.		APPROVED BY & DATE S.H.CHOI		TITLE: 2.5 PITCH W/B CONN. WAFER ASS'Y (WITH LOCK)				MOLEX INCORPORATED							
1 PLACE ±0.2		ANGULAR: ± 2 °		CAD FILENAME		MATERIAL NO. 35312**6*		DRAWING NO. SD-35312-001		SHEET NO. 1 OF 1					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.								SIZE B	

PROJECT NO.

PROJECT NO.

353 12-***6*
WAFER ASS'Y

8.0
6.8
7.5
14.0
5.0
8.0

The drawing shows a cross-section of a wafer assembly. The overall width is 8.0. The inner width of the top section is 6.8. The total height is 14.0. The height of the top section is 7.5, and the height of the bottom section is 5.0. The bottom section has a central hole with a dashed center line. The top section has a hatched area on the right side, which is labeled with a leader line pointing to the text '353 12-***6* WAFER ASS'Y'.

DIMENSIONS:		SHT	REV
☐ mm INCH	☐ INCH mm	☒ mm ONLY	REVISE ON CAD ONLY
PACKING FOR 35312 (S/S C-TV)			
EX INCORPORATED			
DRAWING NO. SD-35312-004		SHEET NO. 1/1	
THIS IS PROPRIETARY TO MOLEX WITHOUT WRITTEN PERMISSION.			SIZE A

NEW RELEASED EC NO. KOR2005-0066 DRWN: K.S.KIM 040722 CHK: Y.Soo.KIM APPR: C.W.LEE	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE 5-1	DESIGN UNITS ☒ mm ☐ INCH	THIRD ANGLE PROJECTION 		☐ mm INCH	☐ INCH mm	☒ mm ONLY	REVISE ON CAD ONLY	
		<div>MAJOR </div> <div>CRITICAL </div>		mm	INCH	DRAWN BY & DATE K.S.KIM		TITLE: PACKING FOR 35312 (S/S C-TV)					
			4 PLACES	±0.	±.	CHECKED BY & DATE Y.Soo.KIM							
			3 PLACES	±0.	±.	APPROVED BY & DATE C.W.LEE		molex MOLEX INCORPORATED					
			2 PLACES	±0.	±.	CAD FILENAME <div></div>							MATERIAL NO. 35312-***68
	1 PLACE	±0.3	±.										
		ANGULAR: ± 2 °											
A	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.							SIZE A

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[illegible]

1. TUBE LENGTH : 550mm
2. TUBE THICKNESS : 0.8mm
3. THIS PRODUCT SHALL BE COMPLIED WITH
RoHS COMPATIBLE(LEAD FREE SOLDERABILITY)

10	35312-1569	15	35312 SERIES
10	4 -1469	14	
10	-1369	13	
15	-1269	12	
15	-1169	11	
15	-1069	10	
20	-0969	9	
20	-0869	8	
25	-0769	7	
30	-0669	6	
35	-0569	5	
40	-0469	4	
50	-0369	3	
70	35312-0269	2	
Q'TY	ENG NO.	CKTS	USED ON

NEW RELEASED EC NO. KOR2005-0066 DRWN: K.S.KIM 041008 CHK: Y.Soo.KIM APPR: C.W.LEE	DESCRIPTION	QUALITY SYMBOLS MAJOR  = CRITICAL  =	GENERAL TOLERANCES: (UNLESS SPECIFIED)			SCALE 5-1	DESIGN UNITS ☒ mm ☐ INCH	 THIRD ANGLE PROJECTION	☐ mm INCH	☐ INCH mm	☒ mm ONLY	REVISE ON CAD ONLY				
				mm	INCH	DRAWN BY & DATE H.S.SHIN		TITLE: TUBE PACKAGED FOR 35312 SERIES								
			4 PLACES	±0.	±.	CHECKED BY & DATE Y.Soo.KIM										
			3 PLACES	±0.	±.	APPROVED BY & DATE C.W.LEE		molex MOLEX INCORPORATED								
			2 PLACES	±0.	±.	CAD FILENAME 								MATERIAL NO. 35312**69	DRAWING NO. SD-35312-005	SHEET NO. 1 OF 1
			1 PLACE	±0.3	±.	ANGULAR: ± 2 °										
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.							SIZE A	

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PK35312.DGN