

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0353620350](#)
Status: **Active**
Overview: sherlock
Description: 2.00mm (.079") Pitch Sherlock™ Wire-to-Board Header, Vertical, with Positive Lock, 3 Circuits, with Kinked PC Tails, Natural

Documents:

3D Model	Product Specification PS-35507-003 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

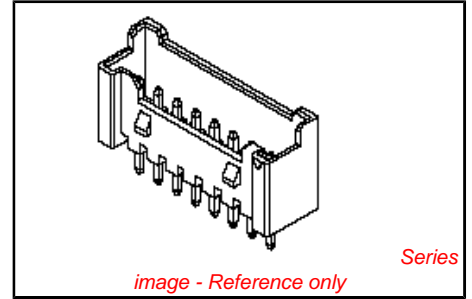
CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	35362
Application	Wire-to-Board
MolexKits	Yes
Overview	sherlock
Product Name	Sherlock™

Physical

Breakaway	No
Circuits (Loaded)	3
Circuits (maximum)	3
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
Mated Height (in)	0.335 In
Mated Height (mm)	8.50 mm
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.130 In
PC Tail Length (mm)	3.30 mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Bag
Pitch - Mating Interface (in)	0.079 In
Pitch - Mating Interface (mm)	2.00 mm
Pitch - Term. Interface (in)	0.079 In
Pitch - Term. Interface (mm)	2.00 mm
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Partial
Stackable	No



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
 Not Reviewed
Halogen-Free
Status
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
[35362Series](#)

Mates With
[35507 Sherlock™ Wire-to-Board Housing](#)

Use With
[502128000 Terminal](#)

Surface Mount Compatible (SMC)
Temperature Range - Operating
Termination Interface: Style

No
-40°C to +105°C
Through Hole

Electrical

Current - Maximum per Contact
Voltage - Maximum

2A
125V

Material Info

Reference - Drawing Numbers

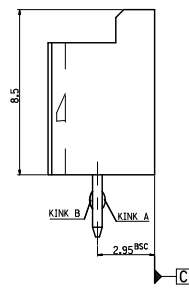
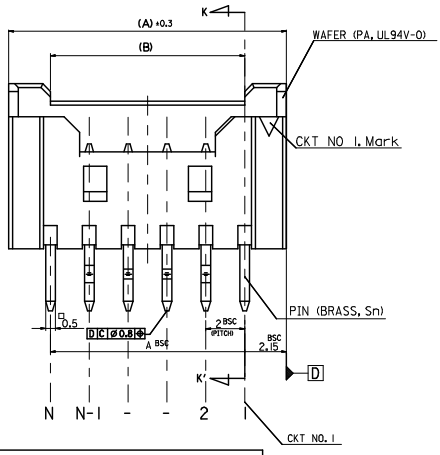
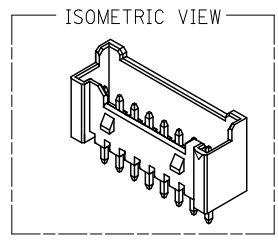
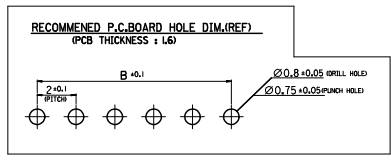
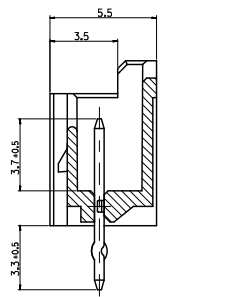
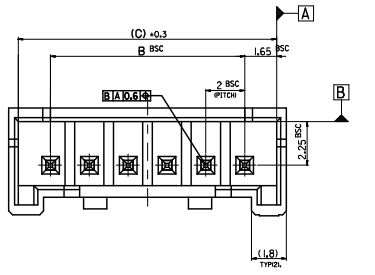
Packaging Specification
Product Specification

PK-35362-002
PS-35507-003, RPS-35507-005, RPS-35507-007,
RPS-35507-009
SD-35362-002, SD-35362-003

Sales Drawing

This document was generated on 06/07/2010

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LEGEND

SD-35362-****
 CKT NO. COLOR

0	: NATURAL
1	: BLACK
2	: RED
3	: YELLOW
4	: BLUE
5	: GREEN
6	: TUBE PACKING (Natural Color)
7	: TUBE PACKING (Red Color)
8	: TUBE PACKING (Blue Color)

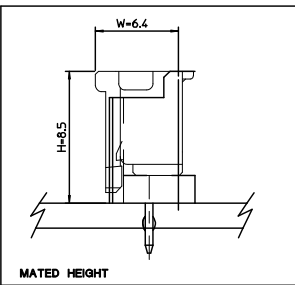
FINAL GOOD (BULK) 5 : SELECTIVE KINK (LEAD FREE)
 6 : NONE KINK (LEAD FREE)

SUB ASSY (TUBE) 7 : SELECTIVE KINK (LEAD FREE)
 8 : NONE KINK (LEAD FREE)

- NOTES**
- MATERIAL : UNFILLED POLYAMIDE, UL94V-0
PIN : BRASS, TIN PLATED
 - FINISHES : TERMINAL : Sn 2.3um OVERALL
 - PRODUCT SPECIFICATION : PS-35507-003
 - MATING HOUSING : 35507-***0*
MATING TERMINAL : 50212-8000
 - KINK

31.3	28	32.3	3536215**	35362-15**	15
29.3	26	30.3	3536214**	35362-14**	14
27.3	24	28.3	3536213**	35362-13**	13
25.3	22	26.3	3536212**	35362-12**	12
23.3	20	24.3	3536211**	35362-11**	11
21.3	18	22.3	3536210**	35362-10**	10
19.3	16	20.3	3536209**	35362-09**	9
17.3	14	18.3	3536208**	35362-08**	8
15.3	12	16.3	3536207**	35362-07**	7
13.3	10	14.3	3536206**	35362-06**	6
11.3	8	12.3	3536205**	35362-05**	5
9.3	6	10.3	3536204**	35362-04**	4
(C)	B	(A)	ENG. NO.	ENG. NO.	CKT

CKT NO	1	2	3	4	5	N-2	N-1	N
6 CKT OVER	-	A	B	-	-	B	A	-
5 CKT	A	B	-	B	A			
4 CKT	A	B	B	A				



LEAD FREE

30 over	±0.3
10 over 30 under	±0.25
10 under	±0.2
ANGLE	±3°
GENERAL TOLERANCE	

REVISED
 EC NO: KOR2009-0123
 DRWN:HJEDG 2009/03/09
 CHKD:YSOOKIM 2009/03/10
 APPR:YUNSIKKIM 2009/03/11

QUALITY SYMBOLS
 ▼=0
 ▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR	± ---°	

DIMENSION STYLE: MM ONLY

DRAWN BY: YSOOKIM DATE: 1996/09/11

CHECKED BY: YSOOKIM DATE: 1996/09/11

APPROVED BY: CWLEE DATE: 1996/09/11

MATERIAL NO. SEE TABLEE

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SCALE: 5:1

DESIGN UNITS: METRIC

THIRD ANGLE PROJECTION

TITLE: 2.0 W/B WAFER ASS'Y -LEAD FREE-

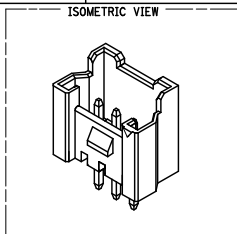
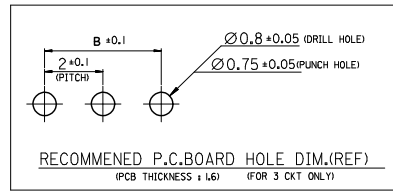
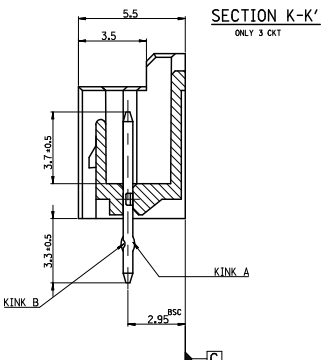
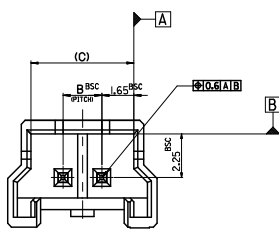
MOLEX INCORPORATED

DOCUMENT NO. SD-35362-002

SHEET NO. 1 OF 3

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FOR 2 & 3 CKTS.



LEGEND

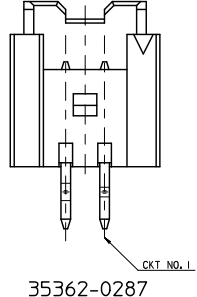
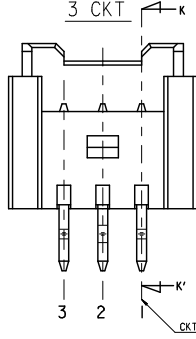
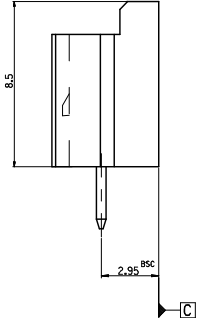
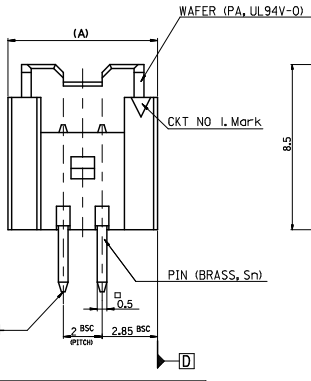
SD-35362-****

CTK NO. COLOR

0	NATURAL
1	BLACK
2	RED
3	YELLOW
4	BLUE
5	GREEN
6	TUBE PACKING (Natural Color)
7	TUBE PACKING (Red Color)
8	TUBE PACKING (Blue Color)

FINAL GOOD (BULK) 5 : SELECTIVE KINK (LEAD FREE)
6 : NONE KINK (LEAD FREE)

SUB ASSY (TUBE) 7 : SELECTIVE KINK (LEAD FREE)
8 : NONE KINK (LEAD FREE)

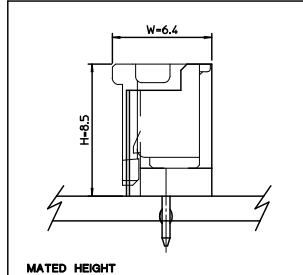


- NOTES**
- MATERIAL : UNFILLED POLYAMIDE, UL94V-0
PIN : BRASS, Tin PLATED
 - FINISHES ; TERMINAL : Sn 2.3um OVERALL
 - PRODUCT SPECIFICATION : PS-35507-003
 - MATING HOUSING : 35507-000
MATING TERMINAL : 50212-8000
 - KINK

CTK NO	1	2	3
2 CKT			
3 CKT	A	B	A

CTK NO	1	2
PRODUCT NO.	A	B
35362-0287		

7.3	4	9.7	3536203**	35362-03**	3
5.3	2	7.7	3536202**	35362-02**	2
(C)	B	(A)	MATERIAL NO.	ENG. NO.	CKT



LEAD FREE

30 over	±0.3
10 over 30 under	±0.25
10 under	±0.2
ANGLE	±3°
GENERAL TOLERANCE	

REVISED
EC NO: KOR2009-0123
2009/03/09
DRWN:HIJONG
2009/03/10
CHKD:YSOOKIM
2009/03/11
APPR:YUNSIKKIM

QUALITY SYMBOLS

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR	± ---°	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE MM ONLY

SCALE 5:1

DESIGN UNITS METRIC

THIRD ANGLE PROJECTION

DRAWN BY YSOOKIM DATE 1996/09/11

CHECKED BY JKOH DATE 1996/09/11

APPROVED BY CWLEE DATE 1996/09/11

MATERIAL NO. SEE TABLE

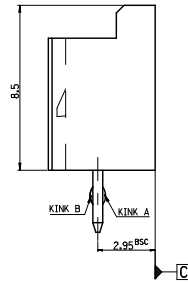
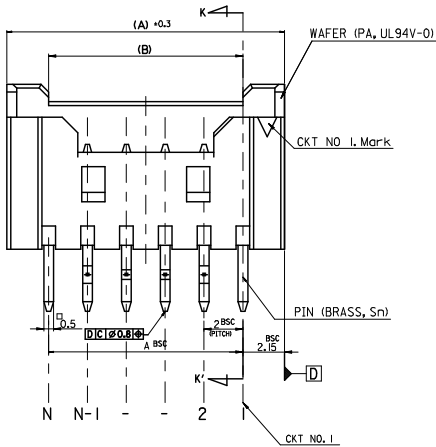
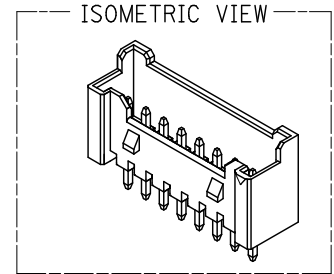
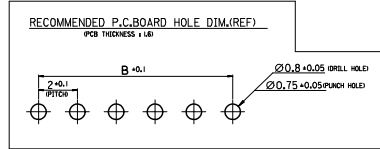
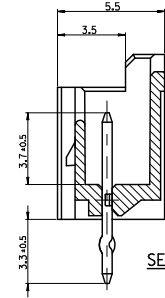
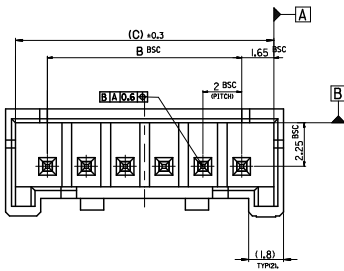
TITLE 2.0 W/B WAFER ASS'Y -LEAD FREE-

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DOCUMENT NO. SD-35362-002

SHEET NO. 2 OF 3

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LEGEND

SD-35362-***

CTKT NO. COLOR

- 0 : NATURAL
- 1 : BLACK
- 2 : RED
- 3 : YELLOW
- 4 : BLUE
- 5 : GREEN
- 6 : TUBE PACKING (Natural Color)
- 7 : TUBE PACKING (Red Color)
- 8 : TUBE PACKING (Blue Color)

FINAL GOOD (BULK) 5 : SELECTIVE KINK (LEAD FREE), 6 : NONE KINK (LEAD FREE)

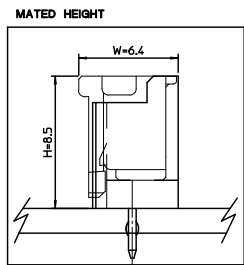
SUB ASSY (TUBE) 7 : SELECTIVE KINK (LEAD FREE), 8 : NONE KINK (LEAD FREE)

NOTES

1. MATERIAL : WAFER : UNFILLED POLYAMIDE, UL94V-0
PIN : BRASS
2. FINISHES : TERMINAL : Sn 2.3um OVERALL
3. PRODUCT SPECIFICATION : PS-35507-003
4. MATING HOUSING : 35507-000
MATING TERMINAL : 50212-8000
5. KINK

CKT	CKT NO		1	2	3	-	-	N-2	N-1	N
	1	2								
16±20	CKT	-	A	B	-	-	-	B	A	-

41.3	38	42.3	3536220**	35362-20**	20
39.3	36	40.3	3536219**	35362-19**	19
37.3	34	38.3	3536218**	35362-18**	18
35.3	32	36.3	3536217**	35362-17**	17
33.3	30	34.3	3536216**	35362-16**	16
(C)	B	(A)	MATERIAL NO.	ENG. NO.	CKT



LEAD FREE

30 over	±0.3
10 over 30 under	±0.25
10 under	±0.2
ANGLE	±3°
GENERAL TOLERANCE	

REVISED
EC NO: KOR2009-0123
DRWN: HJEDG 2009/03/09
CHKD: S00KIM 2009/03/10
APPR: YUNSIKIM 2009/03/11

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±---	±---
3 PLACES	±---	±---
2 PLACES	±---	±---
1 PLACE	±---	±---
ANGULAR	±---	°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY

SCALE: 5:1

DESIGN UNITS: METRIC

THIRD ANGLE PROJECTION

TITLE: 2.0 W/B WAFER ASS'Y -LEAD FREE-

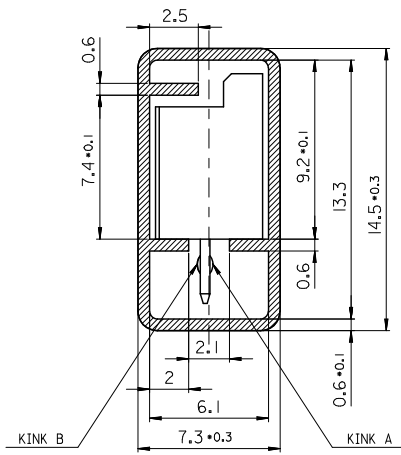
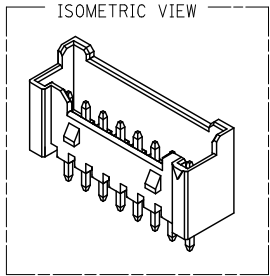
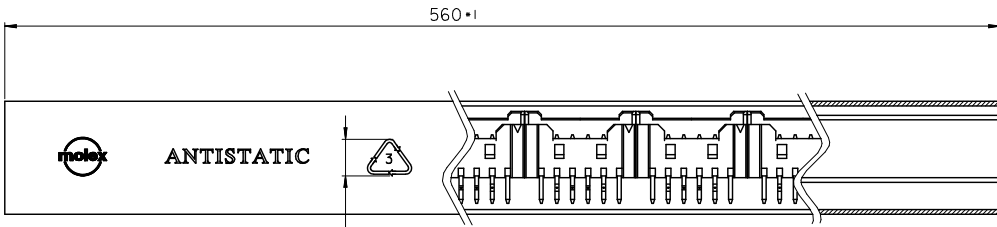
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DOCUMENT NO. SD-35362-002

SHEET NO. 3 OF 3

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10 9 8 7 6 5 4 3 2 1



KINK TABLE (FOR 35362-****)

CKT NO	1	2	3	4	5	N-2	N-1	N
6 CKT OVER	-	A	B	-	-	B	A	-
5 CKT	A	B	-	B	A			
4 CKT	A	B	B	A				
3 CKT	A	B	A					
2 CKT	-							

** 35362-0287 IS ONLY KINKED 2P

CKT NO	1	2
PRODUCT NO.	A	B
35362-0287	A	B

LEGEND.

E-35362-**-**

2-20 Circuits-CKT NO.

Final GOOD (Bulk) — 5 : SELECTIVE KINK
6 : NONE KINK

Sub Assy (Tube) — 7 : SELECTIVE KINK
8 : NONE KINK

COLOR & PACKING

- 0 : NATURAL
- 1 : BLACK
- 2 : RED
- 3 : YELLOW
- 4 : BLUE
- 5 : GREEN
- 6 : TUBE PACKING (Natural Color)
- 7 : TUBE PACKING (RED Color)
- 8 : TUBE PACKING (BLUE Color)

NOTES

1. MATERIAL : TUBE - TRANSLUCENT P.V.C (P-1000)
Wafer - POLYAMIDE, UL94V-0
PIN - BRASS SQ 0.5mm
2. BOW(CAMBER) : 1.0mm MAX/Total Length
3. DIMENSIONS GIVEN ACROSS CENTER LINES ARE SYMMETRICAL ABOUT THOSE CENTER LINES WITH HALF THE TOTAL LENGTH.
4. TOTAL TUBE LENGTH : 560mm ± 1mm
5. TWIST : 5° MAX./Total Length
6. BURRS : 0.2mm MAX.
7. SKEW : PRODUCTS MUST BE FLOWED SMOOTHLY WHEN THIS STICK IS PLACES 30° ANGLE.
8. THICKNESS : 0.6mm ± 0.1mm
9. ARTWORK : PER E-35900-0434 (SILK SCREEN COLOR : RED)
10. APPLICABLE STOPPER(RUBBER) : 35900-0435

TABLE

10	20**	-20**	20
10	19**	-19**	19
10	18**	-18**	18
10	17**	-17**	17
15	16**	-16**	16
15	15**	-15**	15
15	14**	-14**	14
15	13**	-13**	13
15	12**	-12**	12
20	11**	-11**	11
20	10**	-10**	10
25	09**	-09**	9
25	08**	-08**	8
30	07**	-07**	7
35	06**	-06**	6
40	05**	-05**	5
50	04**	-04**	4
60	03**	-03**	3
70	3536202**	35362-02**	2
QT'y	Material NO.	ENG. NO.	CKT

LEAD FREE

REVISED E.C. NO: KOR2009-0123 DR: DRW/HH/JEONG 2009/03/09 CHYK: YSOK/IM 2009/03/10 APPR: YMS/IKK/IM 2009/03/11 REV DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± 0.2 ± --- ANGULAR ± 1°	DIMENSION STYLE MM ONLY DRAWN BY DATE YSOK/IM 2000/12/11 CHECKED BY DATE JKOH 2000/12/11 APPROVED BY DATE CWLEE 2000/12/11	SCALE 5:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE TABLE SIZE A3	TITLE 2.0 W/B WAFER ASS'Y TUBE PACKING -LEAD FREE- MOLEX INCORPORATED DOCUMENT NO. SD-35362-003 SHEET NO. 1 OF 1
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

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9 8 7 6 5 4 3 2 1