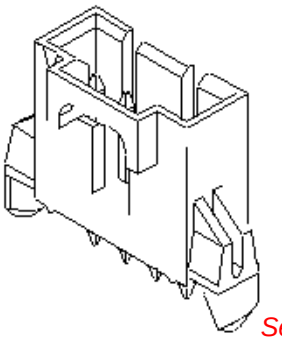
This document was generated on 05/24/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0705450019
Status: Active
Overview: cgrid__sl_products
Description: 2.54mm (.100") Pitch SL™ Header, Single Row .120" Pocket Vertical, Shrouded, with Press-fir Plastic Peg, 20 Circuits, Tin (Sn) Plating



Series image - Reference only

Documents:

- 3D Model
- Drawing (PDF)
- Packaging Specification (PDF)
- Product Specification PS-70400 (PDF)
- Product Specification PS-70541 (PDF)
- RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	70545
Application	Wire-to-Board
Overview	cgrid__sl_products
Product Name	SL™

Physical

Breakaway	No
Circuits (Loaded)	20
Circuits (maximum)	20
Color - Resin	Black
Durability (mating cycles max)	25
Flammability	94V-0
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Material - Metal	Brass, Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.130 In
PC Tail Length (mm)	3.30 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tube
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Plating min: Mating (µin)	150
Plating min: Mating (µm)	3.75
Plating min: Termination (µin)	150
Plating min: Termination (µm)	3.75
Polarized to Mating Part	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Not Reviewed
Halogen-Free Status
Not Reviewed

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
70545Series

Mates With
70066n , 70066g , 70430g , 70400g Housing

Electrical

Current - Maximum per Contact	3A
Voltage - Maximum	250V

Solder Process Data

Lead-free Process Capability	Wave Capable (TH only)

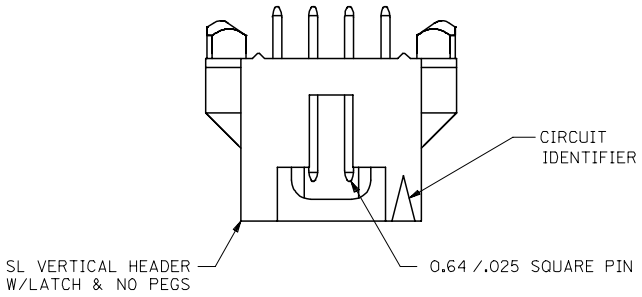
Material Info

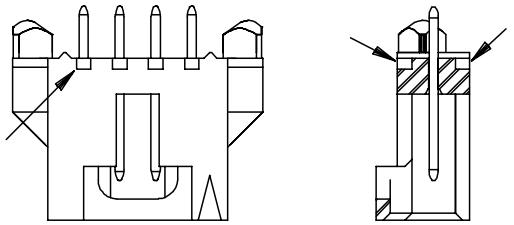
Reference - Drawing Numbers

Packaging Specification	PK-70873-0014
Product Specification	PS-70400, PS-70541
Sales Drawing	SDA-70545-****

This document was generated on 05/24/2010

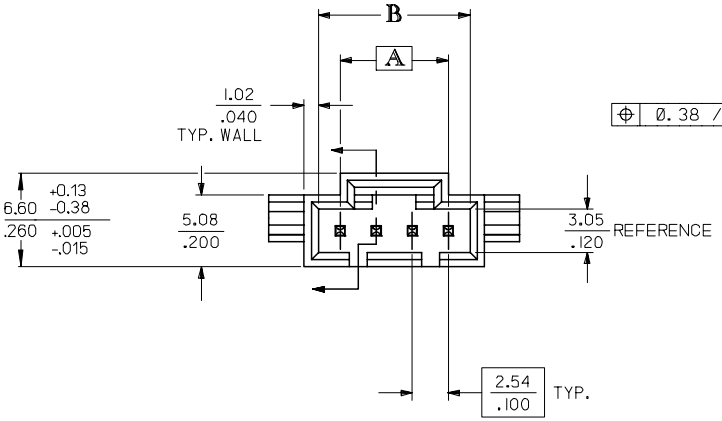
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

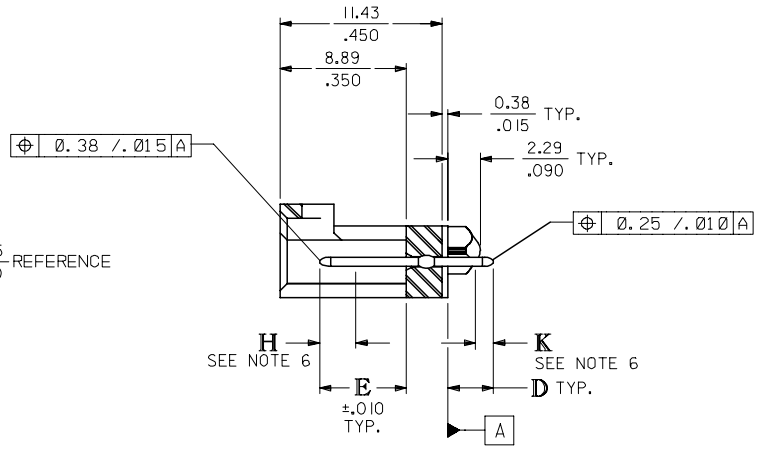


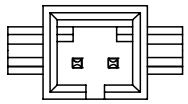


ALTERNATIVE CORING MANUFACTURER'S OPTION

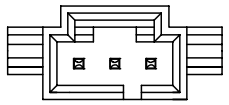
CKT. SIZE	DIM. "A" MM	DIM. "A" IN.	DIM. "B" MM	DIM. "B" IN.
2	2.54	.100	5.33±0.08	.210±.003
3	5.08	.200	8.13±0.10	.320±.004
4	7.62	.300	10.67±0.10	.420±.004
5	10.16	.400	13.21±0.10	.520±.004
6	12.70	.500	15.75±0.10	.620±.004
7	15.24	.600	18.29±0.10	.720±.004
8	17.78	.700	20.83±0.10	.820±.004
9	20.32	.800	23.37±0.10	.920±.004
10	22.86	.900	25.91±0.13	1.020±.005
11	25.40	1.000	28.45±0.13	1.120±.005
12	27.94	1.100	30.99±0.13	1.220±.005
13	30.48	1.200	33.53±0.13	1.320±.005
14	33.02	1.300	36.07±0.13	1.420±.005
15	35.56	1.400	38.61±0.15	1.520±.006
16	38.10	1.500	41.15±0.15	1.620±.006
17	40.64	1.600	43.69±0.15	1.720±.006
18	43.18	1.700	46.23±0.15	1.820±.006
19	45.72	1.800	48.77±0.18	1.920±.007
20	48.26	1.900	51.31±0.18	2.020±.007
21	50.80	2.000	53.85±0.18	2.120±.007
22	53.34	2.100	56.39±0.18	2.220±.007
23	55.88	2.200	58.93±0.18	2.320±.007
24	58.42	2.300	61.47±0.18	2.420±.007
25	60.96	2.400	64.01±0.20	2.520±.008



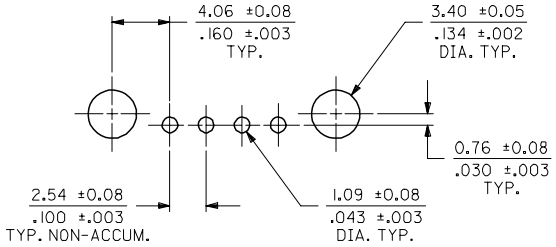




2 CIRCUIT



3 CIRCUIT



RECOMMENDED PC BOARD LAYOUT

(FOR USE WITH 1.57 /.062 THICK BOARD)

NOTES:
1. HEADER MATERIAL: GLASS FILLED POLYESTER, UL94V-0; COLOR: BLACK
   PIN MATERIAL: PHOSPHOR BRONZE
2. FINISH:
   TIN - 0.00381/.000150 MIN TIN PLATE OVER 0.00127/.000050 MIN NICKEL PLATE
   15 GOLD - 0.00038/.000015 MIN GOLD PLATE IN SELECT AREA, 0.00191/.000075 MIN TIN PLATE IN SELECT AREA, OVER 0.00127/.000050 MIN NICKEL PLATE OVERALL.
   30 GOLD - 0.00076/.000030 MIN GOLD PLATE IN SELECT AREA, 0.00191/.000075 MIN TIN PLATE IN SELECT AREA, OVER 0.00127/.000050 MIN NICKEL PLATE OVERALL.
   * THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC." CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH LEAD.
3. PRODUCT SPECIFICATION: PS-70541
4. PACKAGING SPECIFICATION: PK-70873-0014
5. HEADER TO BE USED WITH OPTION "G" 70400 AND 70430 SERIES SL CONNECTORS.
6. MEASURE POINT FOR PLATING THICKNESS.

4	G1
3	H
2	F1
1	J
SHT	REV

CLARIFY DIM, EC NO: UCP2007-1216 2006/11/28
DRWN:MSIBARRA 2006/12/04
CHKD:DMORGAN 2006/12/05
APPR:SMILLER
DESCRIPTION
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	±.005
2 PLACES	±0.13	±.01
1 PLACE	±0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 4:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY	AAB	DATE 05/12/93
CHECKED BY	MJM	DATE 05/12/93
APPROVED BY	WAZ	DATE 05/12/93

TITLE: SALES ASSY, SL VERTICAL HEADER W/LATCH&TRI-PEGS (2.54)/.100 CENTERS

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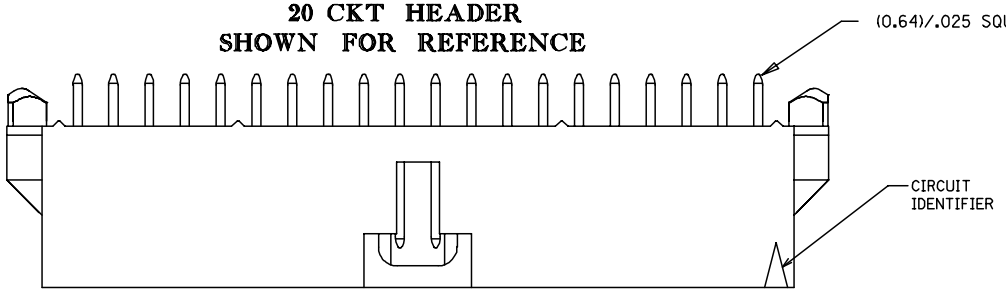
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SDA-70545-****
SHEET NO.: 1 OF 4
SIZE: C

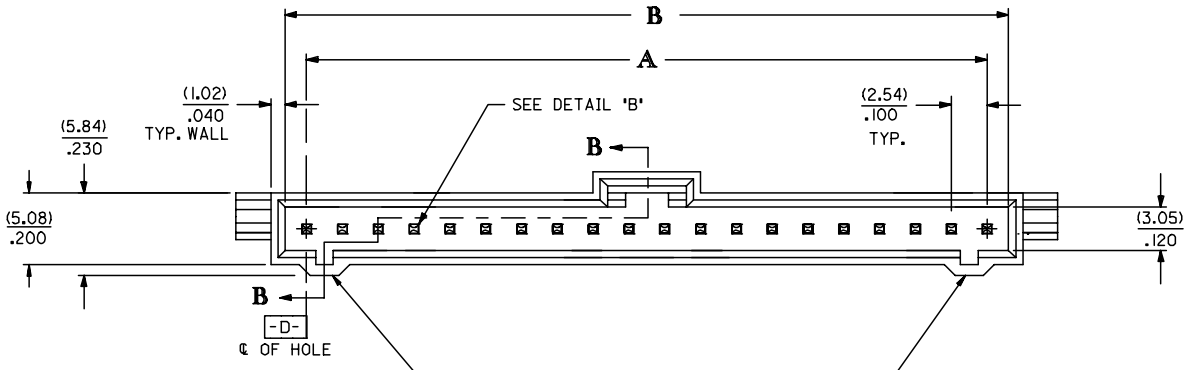
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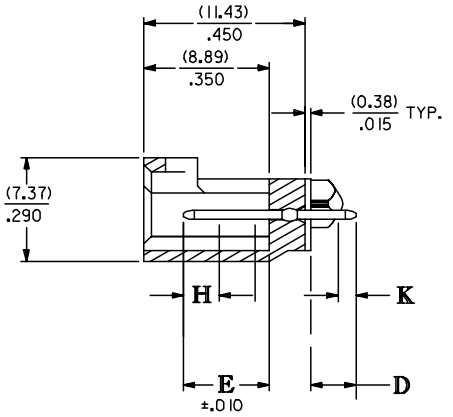
OPTIONAL HOUSING

WEBBED KEYING FEATURES

20 CKT HEADER
SHOWN FOR REFERENCE







SECTION B-B

UPDATE TITLE BLOCK			
EC NO: UCP2006-0202	DRWN: JLOWE	CHKD: ADERR	APPR: FSMITH
2005/08/05	2005/08/05	2005/08/09	
DESCRIPTION			
T1			
REV			

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .005
2 PLACES	± 0.13	± .01
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN	SCALE: ---	DESIGN UNITS: INCH	THIRD ANGLE PROJECTION
DRAWN BY: WGM	DATE: 07/10/96	TITLE: SALES ASSY, SL VERTICAL HEADER W/LATCH&TRI-PEGS (2.54)/.100 CENTERS	
CHECKED BY: WGM	DATE: 07/10/96		
APPROVED BY: WAZ	DATE: 07/10/96	molex MOLEX INCORPORATED	
MATERIAL NO.: SEE CHART		DOCUMENT NO.: SDA-70545-****	SHEET NO.: 2 OF 4
SIZE: C			

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CIRCUIT SIZE	ASSEMBLY ITEM NUMBER 70545	MANUFACTURE RELEASE STATUS				D (± 0.38) ± .015	E (± 0.25) ± .010		CONNECTOR END PLATING			P.C. BOARD END PLATING			
									TYPE	H MEAS.		TYPE	K MEAS.		
2-10	-0001-0009	R.F.M.				(3.30) .130	(6.10) .240		TIN	(2.54) .100		TIN	(1.27) .050		
11-25	-0010-0024	R.F.M.													
2-10	-0036-0044	R.F.M.				(3.30) .130	(6.10) .240		15 GOLD	(2.54) .100		TIN	(1.27) .050		
11-25	-0045-0059	R.F.M.													
2-10	-0071-0079	R.F.M.				(3.30) .130	(6.10) .240		30 GOLD	(2.54) .100		TIN	(1.27) .050		
11-25	-0080-0094	R.F.M.													
2-10	-0141-0149	R.F.M.				(5.21) .205	(6.10) .240		15 GOLD	(2.54) .100		TIN	(1.27) .050		
11-25	-0150-0164	NOT TOOLED													
2-10	-0176-0184	R.F.M.				(5.21) .205	(6.10) .240		30 GOLD	(2.54) .100		TIN	(1.27) .050		
11-25	-0185-0199	NOT TOOLED													

CIRCUIT SIZE	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER
2	70545-0001	70545-0036	70545-0071	70545-0141	70545-0176
3	70545-0002	70545-0037	70545-0072	70545-0142	70545-0177
4	70545-0003	70545-0038	70545-0073	70545-0143	70545-0178
5	70545-0004	70545-0039	70545-0074	70545-0144	70545-0179
6	70545-0005	70545-0040	70545-0075	70545-0145	70545-0180
7	70545-0006	70545-0041	70545-0076	70545-0146	70545-0181
8	70545-0007	70545-0042	70545-0077	70545-0147	70545-0182
9	70545-0008	70545-0043	70545-0078	70545-0148	70545-0183
10	70545-0009	70545-0044	70545-0079	70545-0149	70545-0184
11	70545-0010	70545-0045	70545-0080		
12	70545-0011	70545-0046	70545-0081		
13	70545-0012	70545-0047	70545-0082		
14	70545-0013	70545-0048	70545-0083		
15	70545-0014	70545-0049	70545-0084		
16	70545-0015	70545-0050	70545-0085		
17	70545-0016	70545-0051	70545-0086		
18	70545-0017	70545-0052	70545-0087		
19	70545-0018	70545-0053	70545-0088		
20	70545-0019	70545-0054	70545-0089		
21	70545-0020	70545-0055	70545-0090		
22	70545-0021	70545-0056	70545-0091		
23	70545-0022	70545-0057	70545-0092		
24	70545-0023	70545-0058	70545-0093		
25	70545-0024	70545-0059	70545-0094		

CHG D DIM -0141-0199 2006/09/15
EC NO: UCP2007-0420 2006/09/15
DRWN:DMORGAN 2006/09/19
CH'KD:MS BARRA
APPR:SMILLER
DESCRIPTION
REV
H

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .005
2 PLACES	± 0.13	± .01
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: ---
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: WGM DATE: 07/12/96
CHECKED BY: WGM DATE: 07/12/96
APPROVED BY: DJB DATE: 07/12/96

TITLE: SALES ASSY, SL VERTICAL HEADER W/LATCH&TRI-PEGS (2.54)/.100 CENTERS

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MATERIAL NO.: SEE CHART
DOCUMENT NO.: SDA-70545-****
SHEET NO.: 3 OF 4

SIZE C

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OCEAN CHIPS
Океан Электроники
Поставка электронных компонентов

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «**JONHON**», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «**FORSTAR**».

AVIC JONHON

«JONHON» (основан в 1970 г.)

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(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).

FORSTAR®

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Факс: 8 (812) 320-03-32
Электронная почта: ocean@oceanchips.ru
Web: http://oceanchips.ru/
Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А