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Part Number:

0038002099

Status:

Active

Overview:

kk

Description:

2.54mm (.100") KK® IDT Double Cantilever Contact, 9 Circuits, Tin (Sn), Feed-Through, Friction Ramp and Polarizing Rib, Brown ID Strip

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [Product Specification PSX-7690S \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

UL

E29179

General

Product Family

Series

Comments

Crimp Quality Equipment

Overview

Product Name

IDT and Solder Connectors

7720

Version J

Yes

kk

KK®

Physical

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

Flammability

Gender

Glow-Wire Compliant

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Packaging Type

Panel Mount

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Polarized to Mating Part

Stackable

Temperature Range - Operating

Termination Interface: Style

Wire Size AWG

9

9

Natural

5

94V-2

Female

No

None

Brass

Tin

Tin

Nylon

1

Bag

No

0.100 In

2.54 mm

0.100 In

2.54 mm

Yes

No

0°C to +50°C

IDT or Pierce

26 Stranded, 28 Solid, 28 Stranded Topcoat

Electrical

Current - Maximum per Contact

Voltage - Maximum

4A

250V

Solder Process Data

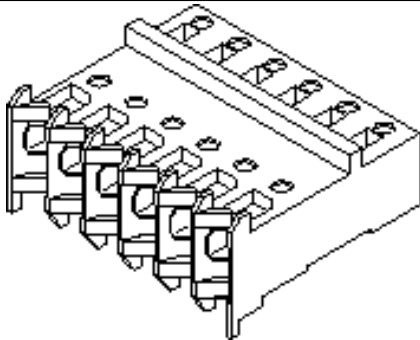
Lead-free Process Capability

Wave Capable (TH only)

Material Info

Old Part Number

7720SC09J



Series
image - Reference only

EU RoHS

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

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

7720Series

Application Tooling | FAQ

Tooling specifications and manuals are
found by selecting the products below.
Crimp Height Specifications are then
contained in the Application Tooling
Specification document.

Global

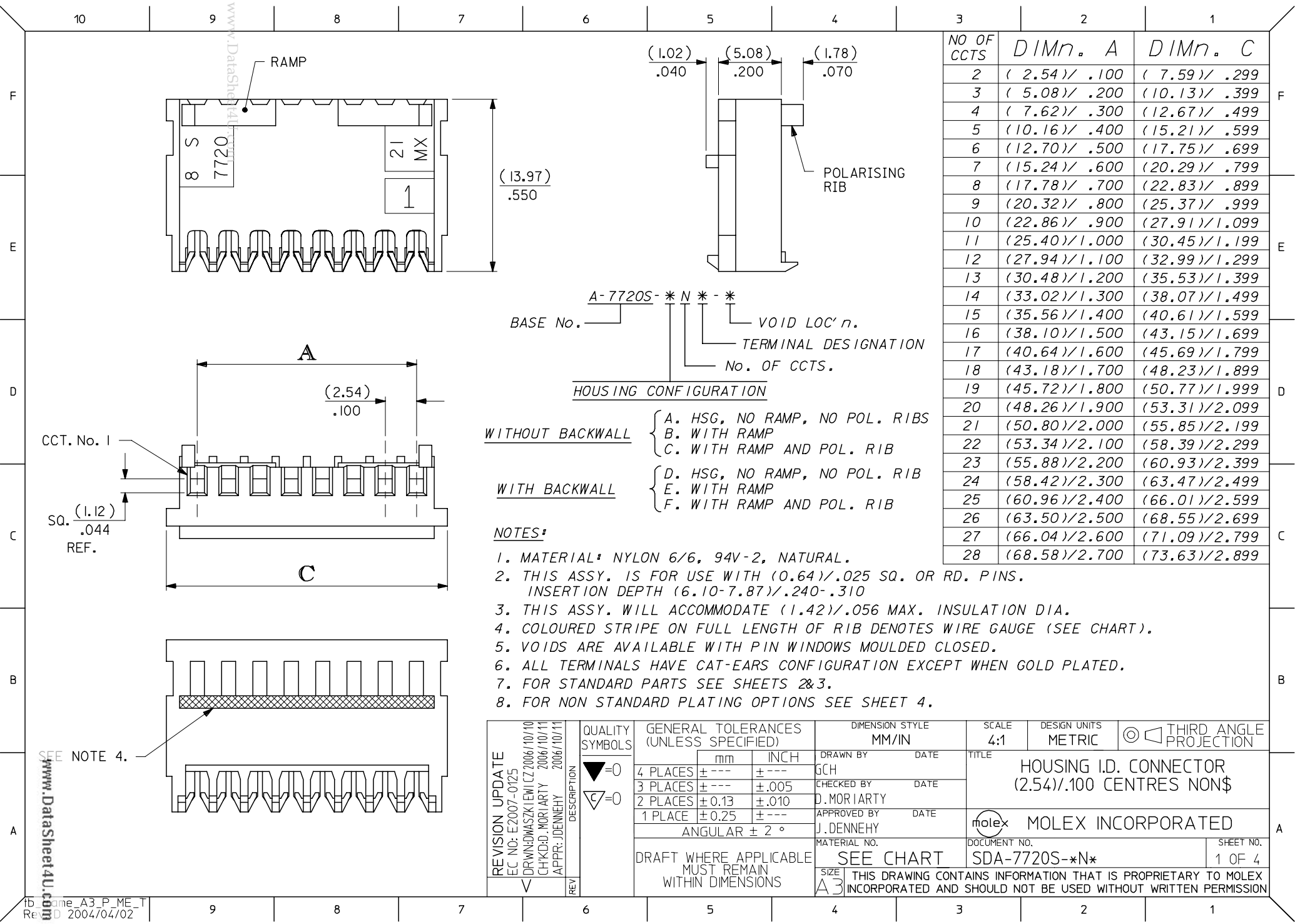
Description	Product #
Insertion Tool for	0638133504
2.54mm (.100") Pitch	
KK® IDT Crimp	
Terminals	
IDT - Semi-automatic	0011200412
- Bench-Top	
Terminator	

Reference - Drawing Numbers

Packaging Specification	PK-7720-100
Product Specification	PSX-7690S
Sales Drawing	SDA-7720S-*N*

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NO OF CCTS	DIMn. A	DIMn. C
2	(2.54) / .100	(7.59) / .299
3	(5.08) / .200	(10.13) / .399
4	(7.62) / .300	(12.67) / .499
5	(10.16) / .400	(15.21) / .599
6	(12.70) / .500	(17.75) / .699
7	(15.24) / .600	(20.29) / .799
8	(17.78) / .700	(22.83) / .899
9	(20.32) / .800	(25.37) / .999
10	(22.86) / .900	(27.91) / 1.099
11	(25.40) / 1.000	(30.45) / 1.199
12	(27.94) / 1.100	(32.99) / 1.299
13	(30.48) / 1.200	(35.53) / 1.399
14	(33.02) / 1.300	(38.07) / 1.499
15	(35.56) / 1.400	(40.61) / 1.599
16	(38.10) / 1.500	(43.15) / 1.699
17	(40.64) / 1.600	(45.69) / 1.799
18	(43.18) / 1.700	(48.23) / 1.899
19	(45.72) / 1.800	(50.77) / 1.999
20	(48.26) / 1.900	(53.31) / 2.099
21	(50.80) / 2.000	(55.85) / 2.199
22	(53.34) / 2.100	(58.39) / 2.299
23	(55.88) / 2.200	(60.93) / 2.399
24	(58.42) / 2.300	(63.47) / 2.499
25	(60.96) / 2.400	(66.01) / 2.599
26	(63.50) / 2.500	(68.55) / 2.699
27	(66.04) / 2.600	(71.09) / 2.799
28	(68.58) / 2.700	(73.63) / 2.899

A-7720S- * N * - *
BASE No. _____ VOID LOC' n.
_____ TERMINAL DESIGNATION
_____ No. OF CCTS.

HOUSING CONFIGURATION

- WITHOUT BACKWALL { A. HSG, NO RAMP, NO POL. RIBS
B. WITH RAMP
C. WITH RAMP AND POL. RIB
- WITH BACKWALL { D. HSG, NO RAMP, NO POL. RIB
E. WITH RAMP
F. WITH RAMP AND POL. RIB

NOTES:

1. MATERIAL: NYLON 6/6, 94V-2, NATURAL.
2. THIS ASSY. IS FOR USE WITH (0.64) / .025 SQ. OR RD. PINS.
INSERTION DEPTH (6.10-7.87) / .240-.310
3. THIS ASSY. WILL ACCOMMODATE (1.42) / .056 MAX. INSULATION DIA.
4. COLOURED STRIPE ON FULL LENGTH OF RIB DENOTES WIRE GAUGE (SEE CHART).
5. VOIDS ARE AVAILABLE WITH PIN WINDOWS MOULDED CLOSED.
6. ALL TERMINALS HAVE CAT-EARS CONFIGURATION EXCEPT WHEN GOLD PLATED.
7. FOR STANDARD PARTS SEE SHEETS 2&3.
8. FOR NON STANDARD PLATING OPTIONS SEE SHEET 4.

REVISION UPDATE EC NO: E2007-0125 DRWN: WASZK/EMI CZ 2006/10/10 CHKD: D. MORIARTY 2006/10/11 APPR: DENNEHY 2006/10/11	DESCRIPTION ▽=0 ▽=0	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM/IN		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
						DRAWN BY GCH		DATE		TITLE HOUSING I.D. CONNECTOR (2.54)/.100 CENTRES NON\$			
						CHECKED BY D. MORIARTY		DATE					
						APPROVED BY J. DENNEHY		DATE		MOLEX MOLEX INCORPORATED			
						MATERIAL NO.		DOCUMENT NO.				SHEET NO.	
						SIZE A3		SEE CHART		SDA-7720S-*N*		1 OF 4	
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							

10		9		8		7		6		5		4		3		2		1																																													
PART NO.		ENG. NO.		CCTS.		TERMINAL		I.D. STRIPE		PLATING																																																					
38-00-2092		A-7720S-C 2J		2		40125-J(P918)		BROWN		HOT TIN DIP (1-31M)/.000040-.000120																																																					
2093		C 3J		3																																																											
2094		C 4J		4																																																											
2095		C 5J		5																																																											
2096		C 6J		6																																																											
2097		C 7J		7																																																											
2098		C 8J		8																																																											
2099		C 9J		9																																																											
2100		C10J		10																																																											
2101		C11J		11																																																											
2102		C12J		12																																																											
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2108		C18J		18																																																											
2109		C19J		19																																																											
2110		C20J		20																																																											
2111		C21J		21																																																											
2112		C22J		22																																																											
2113		C23J		23																																																											
2114		C24J		24																																																											
2115		C25J		25																																																											
2116		C26J		26																																																											
2117		C27J		27																																																											
38-00-2118		A-7720S-C28J		28		40125-J(P918)		BROWN																																																							
PART NO.		ENG. NO.		CCTS.		TERMINAL		I.D. STRIPE		PLATING																																																					
38-00-0579		A-7720S-C6J(561)		6		40627-J(561)		BROWN		SELECTIVE GOLD (0.76µM)/.000030 MIN. OVER (1.27µM)/.000050 NICKEL MIN.																																																					
NOTE: 18 - 28 CIRCUITS ARE NON-STANDARD.																																																															
<table><tr><td rowspan="4">CORRECT PLATING EC NO: E2007-0125 DRWN: DAWASZKIEWICZ 2006/10/10 CHKD: D. MORIARTY 2006/10/11 APPR: J.DENNEHY 2006/10/11 V</td><td rowspan="4">QUALITY SYMBOLS ▽=0 ▽=0</td><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE MM ONLY</td><td>SCALE ---</td><td>DESIGN UNITS METRIC</td><td colspan="2">THIRD ANGLE PROJECTION</td></tr><tr><td rowspan="3">4 PLACES 3 PLACES 2 PLACES 1 PLACE</td><td rowspan="3">±--- ±--- ±--- ±---</td><td rowspan="3">±--- ±--- ±--- ±---</td><td colspan="2">DRAWN BY DATE</td><td rowspan="3">TITLE INSULATION DISPLACEMENT CONNECTOR (2.54)/.100 CENTRES MOLEX INCORPORATED</td></tr><tr><td colspan="2">CHECKED BY DATE</td></tr><tr><td colspan="2">APPROVED BY DATE</td></tr><tr><td colspan="2">ANGULAR ±---°</td><td colspan="2">MATERIAL NO.</td><td colspan="2">DOCUMENT NO.</td><td colspan="2">SHEET NO.</td></tr><tr><td colspan="2">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="2">SEE CHART</td><td colspan="2">SDA-7720S-*N*</td><td colspan="2">3 OF 4</td></tr><tr><td colspan="10">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr></table>																		CORRECT PLATING EC NO: E2007-0125 DRWN: DAWASZKIEWICZ 2006/10/10 CHKD: D. MORIARTY 2006/10/11 APPR: J.DENNEHY 2006/10/11 V	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		4 PLACES 3 PLACES 2 PLACES 1 PLACE	±--- ±--- ±--- ±---	±--- ±--- ±--- ±---	DRAWN BY DATE		TITLE INSULATION DISPLACEMENT CONNECTOR (2.54)/.100 CENTRES MOLEX INCORPORATED	CHECKED BY DATE		APPROVED BY DATE		ANGULAR ±---°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SDA-7720S-*N*		3 OF 4		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
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