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Part Number:

0038002098

Status:

Active

Overview:

kk

Description:

2.54mm (.100") KK® IDT Double Cantilever Contact, 8 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	IDT and Solder Connectors
Series	7720
Comments	Version J
Crimp Quality Equipment	Yes
Overview	kk
Product Name	KK®

Physical

Circuits (Loaded)	8
Circuits (maximum)	8
Color - Resin	Natural
Durability (mating cycles max)	5
Flammability	94V-2
Gender	Female
Glow-Wire Compliant	No
Lock to Mating Part	None
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	1
Packaging Type	Bag
Panel Mount	No
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Pitch - Term. Interface (in)	0.100 In
Pitch - Term. Interface (mm)	2.54 mm
Polarized to Mating Part	Yes
Stackable	No
Temperature Range - Operating	0°C to +50°C
Termination Interface: Style	IDT or Pierce
Wire Size AWG	26 Stranded, 28 Solid, 28 Stranded Topcoat

Electrical

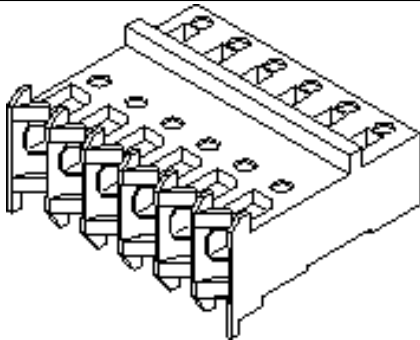
Current - Maximum per Contact	4A
Voltage - Maximum	250V

Solder Process Data

Lead-free Process Capability Wave Capable (TH only)

Material Info

Old Part Number 7720SC08J



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

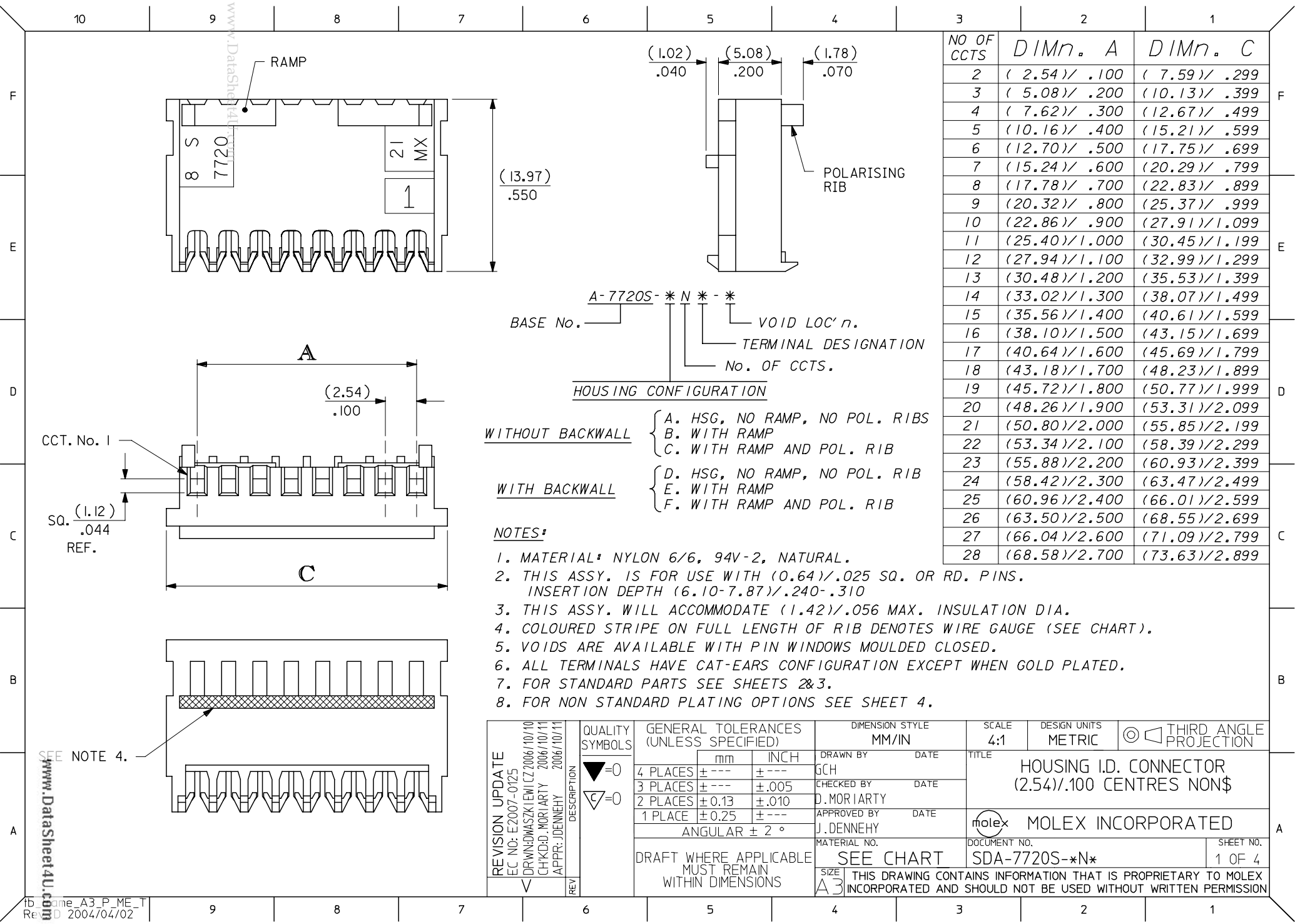
Packaging Specification	PK-7720-100
Product Specification	PSX-7690S
Sales Drawing	SDA-7720S-*N*

www.DatasheetN.com

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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/2006/10/10 CHKD: MORIARTY 2006/10/11 APPR: DENNEHY 2006/10/11	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY	DATE	TITLE HOUSING I.D. CONNECTOR (2.54)/.100 CENTRES NON\$		
			4 PLACES	± ---	± ---	GCH				
			3 PLACES	± ---	± .005	CHECKED BY	DATE	MOLEX MOLEX INCORPORATED		
			2 PLACES	± 0.13	± .010	D. MORIARTY				
			1 PLACE	± 0.25	± ---	APPROVED BY	DATE			
ANGULAR ± 2 °		J. DENNEHY		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				MATERIAL NO.						
SIZE A3										

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 (1-3µM)/.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								
2103		C13J		13								
2104		C14J		14								
2105		C15J		15								
2106		C16J		16								
2107		C17J		17								
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.												
CORRECT PLATING EC NO: E2007-0125 DRAWN: D. MORIARTY 2006/10/10 CHKD: D. MORIARTY 2006/10/11 APPR: J. DENNEHY 2006/10/11 REV		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 ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
						DRAWN BY MCC		DATE		INSULATION DISPLACEMENT CONNECTOR (2.54)/.100 CENTRES MOLEX INCORPORATED		
						CHECKED BY D. MORIARTY		DATE				
						APPROVED BY J. DENNEHY		DATE		DOCUMENT NO. SDA-7720S-*N*		SHEET NO. 3 OF 4
SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										