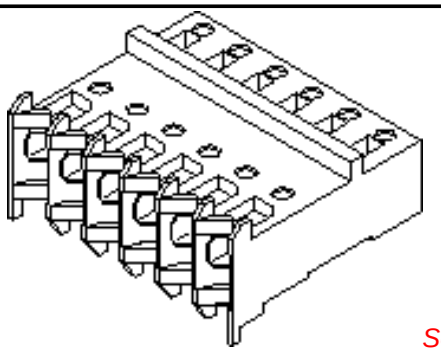
This document was generated on 05/18/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0022503125
Status: Active
Overview: kk
Description: 2.54mm (.100") KK® IDT Double Cantilever Contact, 12 Circuits, Tin (Sn), Feed-Through, Friction Ramp and Polarizing Rib, Green ID Strip



Series image - Reference only

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 H
Crimp Quality Equipment	Yes
Overview	kk
Product Name	KK®

Physical

Circuits (Loaded)	12
Circuits (maximum)	12
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	24 Stranded, 26 Solid, 26 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	7720SC12H

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
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

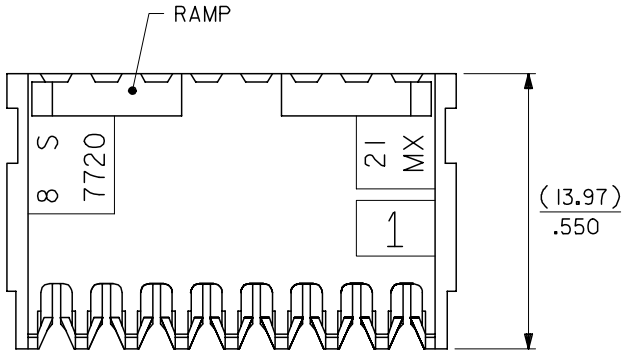
Description	Product #
Insertion Tool for 2.54mm (.100") Pitch KK® IDT Crimp Terminals	0638133504
IDT - Semi-automatic - Bench-Top Terminator	0011200412

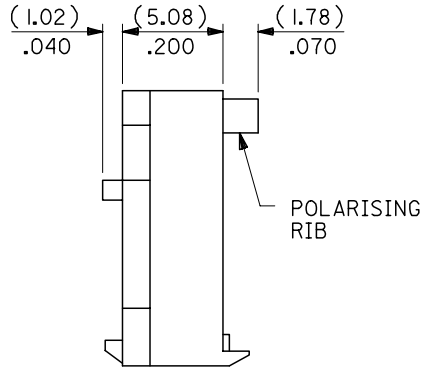
Reference - Drawing Numbers

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

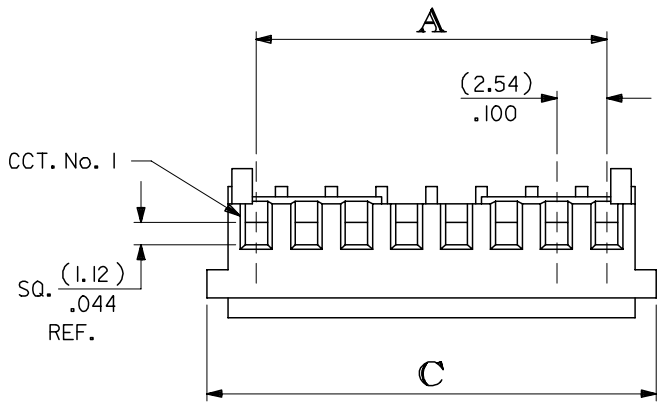
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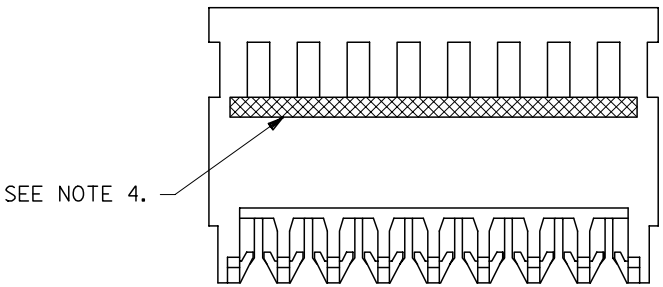
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION





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.
- HOUSING CONFIGURATION
- No. OF CCTS.
- TERMINAL DESIGNATION
- VOID LOC'n.

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:DWASZKIEWICZ 2006/10/10
CHKD:D. MORIARTY 2006/10/11
APPR: J.DENNEHY 2006/10/11
DESCRIPTION
REV: V

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .005
2 PLACES	± 0.13	± .010
1 PLACE	± 0.25	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY: GCH DATE:
CHECKED BY: D.MORIARTY DATE:
APPROVED BY: J.DENNEHY DATE:
MATERIAL NO.: SEE CHART

TITLE: HOUSING I.D. CONNECTOR (2.54)/.100 CENTRES NON$

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DOCUMENT NO.: SDA-7720S-∗N∗
SHEET NO.: 1 OF 4

SIZE A3

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PART NO.	ENG. NO.	CCTS.	TERMINAL	I.D. STRIPE	PLTG.
22-50-3025	A-7720S-C 2H	2	40125-H(P918)	GREEN	HOT TIN DIP (1-3µM)/.000040-.000120
3035	C 3H	3			
3045	C 4H	4			
3055	C 5H	5			
3065	C 6H	6			
3075	C 7H	7			
3085	C 8H	8			
3095	C 9H	9			
3105	C10H	10			
3115	C11H	11			
3125	C12H	12			
3135	C13H	13			
3145	C14H	14			
3155	C15H	15			
3165	C16H	16			
3175	C17H	17			
3185	C18H	18			
3195	C19H	19			
3205	C20H	20			
3215	C21H	21			
3225	C22H	22			
3235	C23H	23			
3245	C24H	24			
3255	C25H	25			
3265	C26H	26			
3275	C27H	27			
22-50-3285	A-7720S-C28H	28	40125-H(P918)	GREEN	

NOTE:

1. 18 - 28 CIRCUITS ARE NON-STANDARD.

CORRECT PLATING
EC NO: E2007-0125
DRWN:DWASZKIEWICZ 2006/10/10
CHKD:D. MORIARTY 2006/10/11
APPR: J.DENNEHY 2006/10/11
REV DESCRIPTION

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:
CHECKED BY: D.MORIARTY DATE:
APPROVED BY: J.DENNEHY DATE:
MATERIAL NO.: SEE CHART

TITLE: INSULATION DISPLACEMENT CONNECTOR (2.54)/.100 CENTRES

molex MOLEX INCORPORATED

DOCUMENT NO.: SDA-7720S-*N*
SHEET NO.: 2 OF 4

SIZE A3

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