

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0022433130

Status:

Active

Description:

2.5 SPOX IDT RECEPTACLE WHITE 13CKT

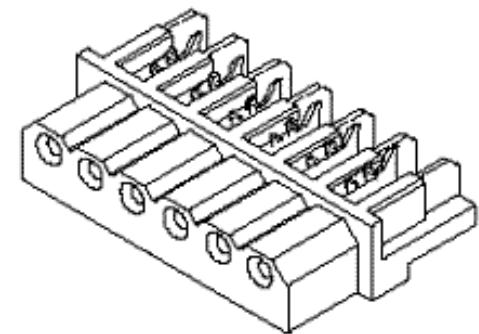


image - Reference only

Series

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [Product Specification PS-42219-0001 \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	IDT and Solder Connectors
Series	42219
Comments	Spring Box Use with 24 AWG solid
Crimp Quality Equipment	Yes
Product Name	SPOX™

Physical

Circuits (Loaded)	13
Color - Resin	Natural
Durability (mating cycles max)	25
Gender	Female
Glow-Wire Compliant	No
Lock to Mating Part	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Rows	1
Packaging Type	Bag
Panel Mount	No
Pitch - Mating Interface (in)	0.098 In
Pitch - Mating Interface (mm)	2.50 mm
Plating min: Mating (µin)	100
Plating min: Mating (µm)	2.50
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.50
Stackable	No
Temperature Range - Operating	0°C to +75°C
Termination Interface: Style	IDT or Pierce
Wire Size AWG	24, 26

Electrical

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

Material Info

Old Part Number	A-42219-13A
-----------------	-------------

Reference - Drawing Numbers

Product Specification	PS-42219-0001
Sales Drawing	SDA-42219-*

EU RoHS

ELV and RoHS
Compliant

REACH SVHC

Contains SVHC: No
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

42219Series

Mates With

Headers, 5267 , 42249 , 42267 , 5268

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 #
IDT - Manual Press	0011219757
Hawk™ Discrete	0623000500
Wire Terminator	
Machine 2.5mm	
Hawk™ Discrete	0623000700
Wire Terminator	
Machine 2.5mm	
Changehead	0690080290
for Parallel	
Action Handtool	

This document was generated on 06/08/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

	13	12	11	10	9	8	7	6	5	4	3	2	1																																																																	
J	DISCRETE CONN. CKT SIZE	NO OF CONN. IN CHAIN	DIM. A	DIM. B	DIM. C	PASSIVE LOCKING BUMPS								J																																																																
	2	10	.292 (7.42)	.098 (2.50)	2.756 (70.00)	YES																																																																								
	3	8	.390 (9.92)	.197 (5.00)	2.953 (75.00)	YES																																																																								
I	4	6	.489 (12.42)	.295 (7.50)	2.756 (70.00)	YES																																																																								
	5	5	.587 (14.92)	.394 (10.00)	2.756 (70.00)	YES																																																																								
	6	4	.685 (17.40)	.492 (12.50)	2.556 (65.00)	YES																																																																								
H	7	4	.783 (19.90)	.591 (15.00)	2.952 (75.00)	YES								H																																																																
	8	3	.882 (22.40)	.689 (17.50)	2.461 (62.50)	YES																																																																								
	9	3	.980 (24.90)	.787 (20.00)	2.756 (70.00)	NO																																																																								
G	10	2	1.079 (27.40)	.886 (22.50)	1.969 (50.00)	NO								G																																																																
	11	2	1.177 (29.90)	.984 (25.00)	2.165 (55.00)	NO																																																																								
	12	2	1.276 (32.40)	1.082 (27.50)	2.362 (60.00)	NO																																																																								
F	13	2	1.374 (34.90)	1.181 (30.00)	2.559 (65.00)	NO								F																																																																
	14	2	1.472 (37.40)	1.279 (32.50)	2.756 (70.00)	NO																																																																								
	15	2	1.571 (39.90)	1.378 (35.00)	2.952 (75.00)	NO																																																																								
E	NOTES: 1. MATERIAL: HOUSING: POLYESTER, 7.5% GLASS FILLED, 94V-0 TERMINAL: PHOS. BRONZE 2. FINISH: (P909) *OVERALL HOT TIN DIP: .000100/0.00254 MIN. *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 TIN/LEAD PLATINGS. 3. FOR PRODUCT SPEC'S SEE PS-42219-0001 4. PACKAGING SPECIFICATION: SEE LENGEND 5. THE WIRE TERMINATION SPEC IS SMES-42219-0002. 6. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.													E																																																																
D							42219-N*** NO OF CKTS PACKAGING SPEC. BLANK= PK-70873-0140 (LARGE BOX) I= PK-40873-0061 (SMALL BOX) HOUSING COLOR TERMINAL A= (NATURAL) B= (BLUE) C= (BROWN) D= (RED) E= (ORANGE) F= (YELLOW) G= (GREEN) H= (GRAY) BLANK=42218							D																																																																
C														C																																																																
B							<table><tr><td>3</td><td>J1</td></tr><tr><td>2</td><td>J1</td></tr><tr><td>1</td><td>J1</td></tr><tr><td>SHT.</td><td>REV.</td></tr></table>							3	J1	2	J1	1	J1	SHT.	REV.	B																																																								
3	J1																																																																													
2	J1																																																																													
1	J1																																																																													
SHT.	REV.																																																																													
A	<table><tr><td rowspan="5">UPDATE NOTES EC NO: UCP2007-1815 DRWN:PRIDDER 2007/01/26 CHKD:ADERR 2007/01/30 APPR:FSMITH 2007/02/01 J1</td><td rowspan="5">DESCRIPTION REV</td><td>QUALITY SYMBOLS ▽=0 ▽=0</td><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE IN/MM</td><td>SCALE 4:1</td><td>DESIGN UNITS METRIC</td><td colspan="2">THIRD ANGLE PROJECTION</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td rowspan="4">2.5MM I.D.T. CONNECTOR ASSEMBLY</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td><td>DRAWN BY AG</td><td>DATE 1989/02/06</td><td>TITLE</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± .010</td><td>CHECKED BY RE</td><td>DATE 1989/02/06</td></tr><tr><td>2 PLACES</td><td>± 0.25</td><td>± .014</td><td>APPROVED BY WRL</td><td>DATE 1989/02/06</td><td>MATERIAL NO.</td></tr><tr><td colspan="2"></td><td></td><td>ANGULAR ±1/2°</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">MOLEX INCORPORATED</td><td></td><td></td></tr><tr><td colspan="2"></td><td></td><td>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="2">SEE CHART</td><td colspan="2">DOCUMENT NO.</td><td colspan="2">SDA-42219-*</td><td>SHEET NO. 1 OF 3</td></tr><tr><td colspan="2"></td><td></td><td></td><td colspan="2"></td><td colspan="2">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td><td colspan="4"></td></tr></table>						UPDATE NOTES EC NO: UCP2007-1815 DRWN:PRIDDER 2007/01/26 CHKD:ADERR 2007/01/30 APPR:FSMITH 2007/02/01 J1	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION									2.5MM I.D.T. CONNECTOR ASSEMBLY	4 PLACES	± ---	± ---	DRAWN BY AG	DATE 1989/02/06	TITLE	3 PLACES	± ---	± .010	CHECKED BY RE	DATE 1989/02/06	2 PLACES	± 0.25	± .014	APPROVED BY WRL	DATE 1989/02/06	MATERIAL NO.				ANGULAR ±1/2°					MOLEX INCORPORATED							DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHART		DOCUMENT NO.		SDA-42219-*		SHEET NO. 1 OF 3							THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						A
UPDATE NOTES EC NO: UCP2007-1815 DRWN:PRIDDER 2007/01/26 CHKD:ADERR 2007/01/30 APPR:FSMITH 2007/02/01 J1	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM				SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION																																																																			
											2.5MM I.D.T. CONNECTOR ASSEMBLY																																																																			
		4 PLACES	± ---	± ---	DRAWN BY AG	DATE 1989/02/06			TITLE																																																																					
		3 PLACES	± ---	± .010	CHECKED BY RE	DATE 1989/02/06																																																																								
		2 PLACES	± 0.25	± .014	APPROVED BY WRL	DATE 1989/02/06	MATERIAL NO.																																																																							
			ANGULAR ±1/2°					MOLEX INCORPORATED																																																																						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHART		DOCUMENT NO.		SDA-42219-*		SHEET NO. 1 OF 3																																																																				
						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																																																																								
tb_frame_C_P_ME_T Rev. E 2006/04/15	12	11	10	9	8	7	6	5	4	3	2	1																																																																		

	13	12	11	10	9	8	7	6	5	4	3	2	1				
J	A-422 19-NA		A-422 19-NA-R		A-422 19-NB		A-422 19-NC		A-422 19-ND		A-422 19-NE						
	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PART NO.	ENG. NO.					
	22-43-3020	A-422 19-2A		A-422 19-2A-R	22-44-6026	A-422 19-2B		A-422 19-2C	22-44-6022	A-422 19-2D	22-44-6024	A-422 19-2E					
	22-43-3030	A-422 19-3A		A-422 19-3A-R	22-44-6036	A-422 19-3B		A-422 19-3C	22-44-6032	A-422 19-3D	22-44-6034	A-422 19-3E					
	22-43-3040	A-422 19-4A		A-422 19-4A-R	22-44-6046	A-422 19-4B		A-422 19-4C	22-44-6042	A-422 19-4D	22-44-6044	A-422 19-4E					
	22-43-3050	A-422 19-5A		A-422 19-5A-R	22-44-6056	A-422 19-5B		A-422 19-5C	22-44-6052	A-422 19-5D	22-44-6054	A-422 19-5E					
	22-43-3060	A-422 19-6A		A-422 19-6A-R		A-422 19-6B		A-422 19-6C	22-44-6062	A-422 19-6D	22-44-6064	A-422 19-6E					
	22-43-3070	A-422 19-7A		A-422 19-7A-R		A-422 19-7B		A-422 19-7C	22-44-6072	A-422 19-7D	22-44-6074	A-422 19-7E					
	22-43-3080	A-422 19-8A		A-422 19-8A-R		A-422 19-8B		A-422 19-8C	22-44-6082	A-422 19-8D	22-44-6084	A-422 19-8E					
	22-43-3090	A-422 19-9A		A-422 19-9A-R		A-422 19-9B		A-422 19-9C	22-44-6092	A-422 19-9D	22-44-6094	A-422 19-9E					
	22-43-3100	A-422 19-10A		A-422 19-10A-R		A-422 19-10B		A-422 19-10C	22-44-6102	A-422 19-10D	22-44-6104	A-422 19-10E					
	22-43-3110	A-422 19-11A		A-422 19-11A-R		A-422 19-11B		A-422 19-11C		A-422 19-11D		A-422 19-11E					
H	22-43-3120	A-422 19-12A		A-422 19-12A-R		A-422 19-12B		A-422 19-12C	22-44-6122	A-422 19-12D		A-422 19-12E					
	22-43-3130	A-422 19-13A		A-422 19-13A-R		A-422 19-13B		A-422 19-13C		A-422 19-13D		A-422 19-13E					
	22-43-3140	A-422 19-14A		A-422 19-14A-R		A-422 19-14B		A-422 19-14C	22-44-6142	A-422 19-14D		A-422 19-14E					
	22-43-3150	A-422 19-15A		A-422 19-15A-R		A-422 19-15B		A-422 19-15C		A-422 19-15D		A-422 19-15E					
G																	
F																	
	A-422 19-NF		A-422 19-NG				A-422 19-NA-I		A-422 19-NH								
	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PART NO.	ENG. NO.					
	22-44-6021	A-422 19-2F	22-44-6023	A-422 19-2G			22-43-3022	A-422 19-2A-I		A-422 19-2H							
	22-44-6031	A-422 19-3F	22-44-6033	A-422 19-3G			22-43-3032	A-422 19-3A-I		A-422 19-3H							
	22-44-6041	A-422 19-4F	22-44-6043	A-422 19-4G			22-43-3042	A-422 19-4A-I		A-422 19-4H							
	22-44-6051	A-422 19-5F	22-44-6053	A-422 19-5G			22-43-3052	A-422 19-5A-I		A-422 19-5H							
	22-44-6061	A-422 19-6F	22-44-6063	A-422 19-6G			22-43-3062	A-422 19-6A-I		A-422 19-6H							
	22-44-6071	A-422 19-7F	22-44-6073	A-422 19-7G			22-43-3072	A-422 19-7A-I		A-422 19-7H							
		A-422 19-8F	22-44-6083	A-422 19-8G			22-43-3082	A-422 19-8A-I		A-422 19-8H							
	22-44-6091	A-422 19-9F	22-44-6093	A-422 19-9G			22-43-3092	A-422 19-9A-I		A-422 19-9H							
	22-44-6101	A-422 19-10F	22-44-6103	A-422 19-10G			22-43-3102	A-422 19-10A-I		A-422 19-10H							
D		A-422 19-11F	22-44-6113	A-422 19-11G			22-43-3112	A-422 19-11A-I		A-422 19-11H							
		A-422 19-12F	22-44-6123	A-422 19-12G			22-43-3122	A-422 19-12A-I		A-422 19-12H							
		A-422 19-13F	22-44-6133	A-422 19-13G			22-43-3132	A-422 19-13A-I		A-422 19-13H							
		A-422 19-14F	22-44-6143	A-422 19-14G			22-43-3142	A-422 19-14A-I		A-422 19-14H							
C		A-422 19-15F	22-44-6153	A-422 19-15G			22-43-3152	A-422 19-15A-I		A-422 19-15H							
B						ADD 22-44-6122/6142 EC NO: UCP2007-1815 DRWN:PRIDDER 2007/01/26 CH'KD:ADERR 2007/01/30 APPR:FSMITH 2007/02/01	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
										DRAWN BY SCHMIDGALL	DATE 1991/05/17	TITLE 2.5 MM I.D. CONNECTOR ADDEMBLY					
								4 PLACES	± ---	± ---	CHECKED BY EDGLEY	DATE 1991/05/17					
								3 PLACES	± ---	± ---	APPROVED BY LENZ	DATE 1991/05/17	MOLEX INCORPORATED				
								2 PLACES	± ---	± ---	MATERIAL NO.		DOCUMENT NO.				
								1 PLACE	± ---	± ---	SEE CHART		SDA-42219-*				
								ANGULAR ±1/2°						SHEET NO. 2 OF 3			
								DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									
								SIZE C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								
A																	
	1b_frame_C_P_ME_T Rev. E 2006/04/15	12	11	10	9	8	7	6	5	4	3	2	1				