

Excellent Integrated System Limited

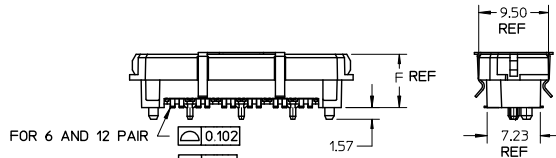
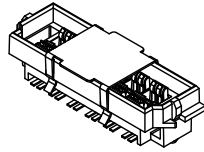
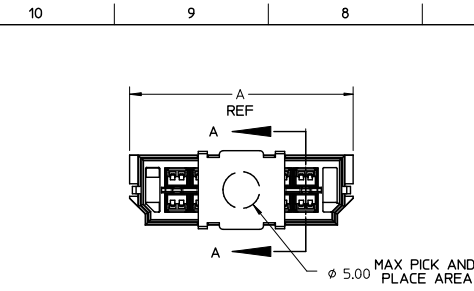
Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)
[75003-0110](#)

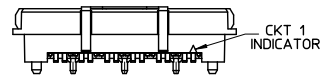
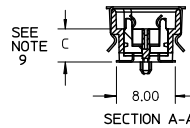
For any questions, you can email us directly:

sales@integrated-circuit.com



FOR 6 AND 12 PAIR $\Delta 0.102$
FOR 24 PAIR $\Delta 0.114$
FOR 36 PAIR $\Delta 0.127$

N SURFACES
N = # OF CIRCUITS
(SEE NOTE 15)



NOTES:

1) MATERIALS:

HOUSING - LIQUID CRYSTAL POLYMER, UL94 V-0, NATURAL
CHICKLET - LIQUID CRYSTAL POLYMER, UL94 V-0, BLACK
CONTACT - TIN BRASS

2) CONTACT PLATING FINISH:

0.76 MICRON MIN. SELECT GOLD AND
3.81 MICRON MIN. SELECT PURE TIN OVER
1.27 MICRON MIN. NICKEL OVERALL

3) HOUSING PLATING FINISH:

0.10 MICRON MAX. IMMERSION GOLD OVER
3.81 MICRON MIN. NICKEL OVER
3.81 MICRON MIN. COPPER OVERALL

4) 4.5mm 12 PAIR PLUG ASSEMBLY SHOWN.

5) PART CONFORMS TO MOLEX COSMETIC SPECIFICATION PS-75005-002.

6) PART PERFORMS TO MOLEX PRODUCT SPECIFICATION PS-75005-001.

7) PACKAGE PER PK-75003-002.

8) FOR AUTO-PLACEMENT APPLICATIONS: PCB ORIENTATION HOLE TO BE $\phi 1.65 \pm 0.05$

9) FOR HAND PLACEMENT APPLICATIONS: PCB ORIENTATION HOLE TO BE $\phi 1.45 \pm 0.05$

10) THIS DIMENSION CONTROLS THE STACK HEIGHT OF THE MATED CONNECTORS.

11) PLEASE REFER TO MOLEX APPLICATION SPECIFICATION AS-75005-001 FOR SUITABLE PROCESSING TEMPERATURES, PERMISSIBLE OFFSETS, AND MATING SEQUENCES.

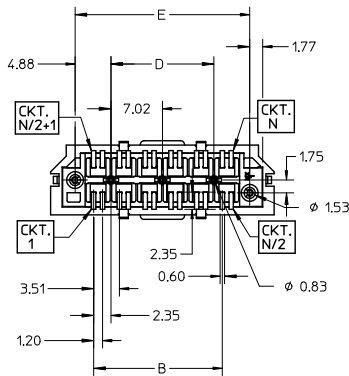
12) THESE PLATED THRU HOLES SHOULD BE CONNECTED TO SIGNAL GROUND.

13) THIS PART MATES WITH THE 75005 RECEPTACLE.

14) THIS PART IS RECOMMENDED TO BE PLACED ON THE MEZZANINE CARD.

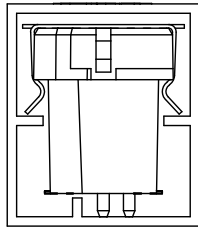
15) HOUSING IS CONDUCTIVE, UNINSULATED TRACES MUST BE KEPT OUT OF KEEP-OUT ZONE.

16) EACH SIDE IS MEASURED TO A COMMON DATUM WITHIN A COPLANARITY OF 0.102mm FOR 6 AND 12 PAIR, 0.114mm FOR 24 PAIR AND 0.127mm FOR 36 PAIR, THE SIDES MAY VARY TO EACH OTHER BY 0.05mm MAX.

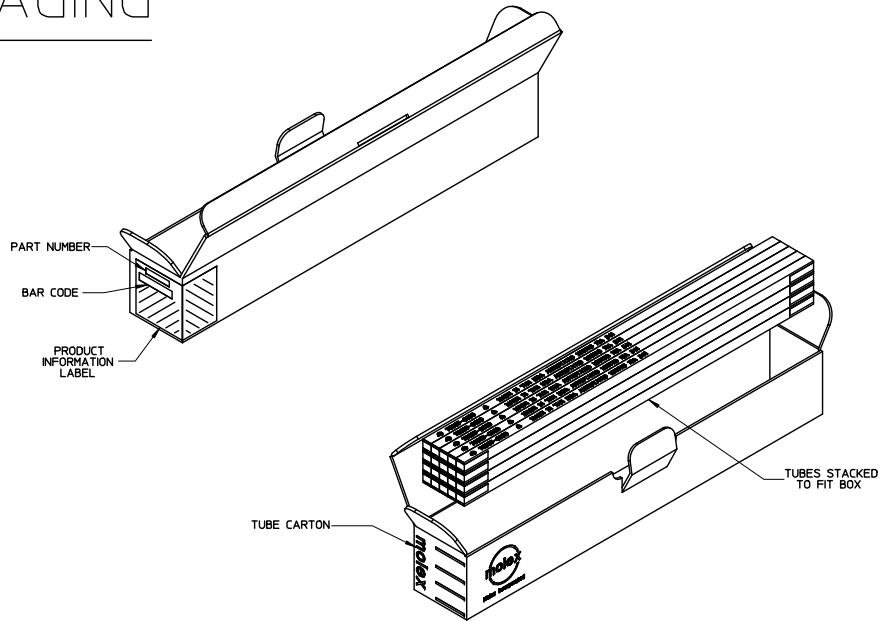


ADD PKG DETAILS EC NO: UCP2010-1785 DRAWN BY: DRINKS BARRA 2010/01/22 CHECKED BY: CHKD DANIELLEY 2001/10/25 APPROVED BY: APPR: SMILLER 2010/01/28		QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				mm		INCH		DRAWN BY		DATE	TITLE
				4 PLACES ± 0.13		+ - - - -		KSTILES		2001/10/24	SALES DRAWING FOR HIGH SPEED MEZZANINE PLUG MOLEX INCORPORATED SD-75003-001
				3 PLACES ± 0.13		+ - - - -		CHECKED BY		DATE	
				2 PLACES ± 0.13		+ - - - -		KREGNIER		2001/10/25	
				1 PLACE ± 0.25		+ - - - -		APPROVED BY		DATE	
				ANGULAR ±1/2°				SMILLER		2010/01/28	MOLEX INCORPORATED SD-75003-001
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
						SEE TABLE					1 OF 8
						SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

TUBE PACKAGING

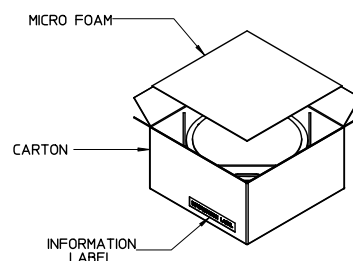
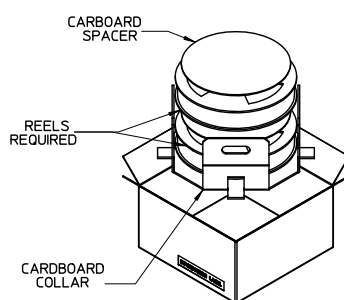
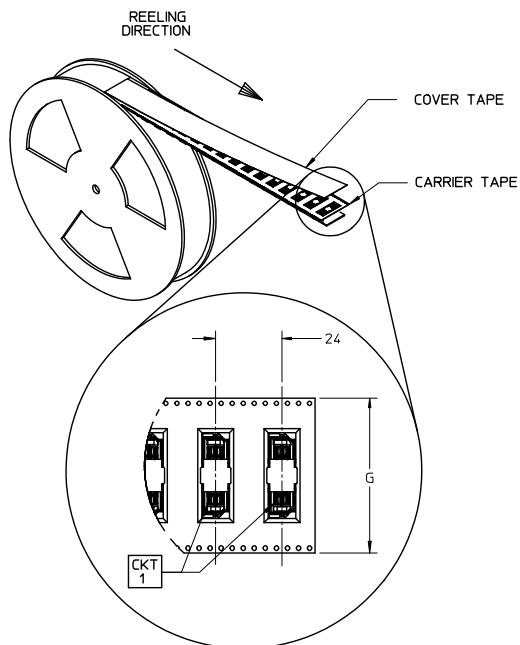


ORIENTATION OF PART IN TUBE



QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
				MM ONLY		3:1	METRIC		
SEE SHEET 1 EC NO: JCP2010-1785 DRAWN BY: BARBA CHKD BY: DANIELLEY APPR: MILLER	DESCRIPTION			mm	INCH	DRAWN BY	DATE	TITLE	
	REV					CHECKED BY	DATE		
		4 PLACES	± ---	± ---		KSTILES	2001/10/24	SALES DRAWING FOR HIGH SPEED MEZZANINE PLUG	
		3 PLACES	± ---	± ---		CHECKED BY	DATE		
		2 PLACES	± 0.13	± ---		KREGNIER	2001/10/25		
		1 PLACE	± 0.25	± ---		APPROVED BY	DATE	MOLEX INCORPORATED	
		ANGULAR ±1/2°				SMILLER	2010/01/28		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		SEE TABLE		DOCUMENT NO.	SHEET NO.
				SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SD-75003-001	3 OF 8

TAPE AND REEL PACKAGING



SEE SHEET 1 EC NO. UCP2010-1785 DRAWN BY: 2010/01/22 CHKD BY: 2010/10/25 APPR: 2010/07/26	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
							MM ONLY		2:1	METRIC				
			mm		INCH		DRAWN BY	DATE	TITLE SALES DRAWING FOR HIGH SPEED MEZZANINE PLUG MOLEX MOLEX INCORPORATED					
			4 PLACES ± --- ± ---		KSTILES		2001/10/24							
			3 PLACES ± --- ± ---		CHECKED BY		DATE							
			2 PLACES ± 0.13 ± ---		KREGNIER		2001/10/25							
			1 PLACE ± 0.25 ± ---		APPROVED BY		DATE							
			ANGULAR ±1/2°		SMILLER		2010/01/28	MOLEX						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				MATERIAL NO.		SEE TABLE		DOCUMENT NO.		SHEET NO.	
							SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
								SD-75003-001		4 OF 8				

PACKAGED IN TUBES

NUMBER OF CIRCUITS	NUMBER OF DIFFERENTIAL PAIRS	MATERIAL NUMBER	A	B	C	D	E	F	PARTS PER TUBE
12	6	NOT TOOLED	19.93	7.02	4.50	3.52	13.27	7.25	NOT TOOLED
12	6	750030305	19.93	7.02	5.50	3.52	13.27	8.25	28
12	6	NOT TOOLED	19.93	7.02	6.50	3.52	13.27	9.25	NOT TOOLED
12	6	750030308	19.93	7.02	8.50	3.52	13.27	11.25	28
12	6	750030310	19.93	7.02	10.50	3.52	13.27	13.25	28
12	6	NOT TOOLED	19.93	7.02	12.50	3.52	13.27	15.25	NOT TOOLED
24	12	NOT TOOLED	30.46	17.55	4.50	14.05	23.80	7.25	NOT TOOLED
24	12	750030005	30.46	17.55	5.50	14.05	23.80	8.25	18
24	12	NOT TOOLED	30.46	17.55	6.50	14.05	23.80	9.25	NOT TOOLED
24	12	750030008	30.46	17.55	8.50	14.05	23.80	11.25	18
24	12	750030010	30.46	17.55	10.50	14.05	23.80	13.25	18
24	12	NOT TOOLED	30.46	17.55	12.50	14.05	23.80	15.25	NOT TOOLED

SEE SHEET 1 EC NO: UCP2010-1785 DRAWN BY: BARRA 2010/01/22 CHECKED BY: DANIELLEY 2011/10/25 APPR: SMILLER 2010/01/28	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
				mm	INCH	DRAWN BY	DATE	TITLE SALES DRAWING FOR HIGH SPEED MEZZANINE PLUG					
			4 PLACES	±---	±---	KSTILES	2001/10/24						
			3 PLACES	±---	±---	CHECKED BY	DATE						
			2 PLACES	±0.13	±---	KREGNIER	2001/10/25						
						1 PLACE	±0.25	±---	APPROVED BY	DATE	molex	MOLEX INCORPORATED	
					ANGULAR ±1/2°		SMILLER	2010/01/28					
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-75003-001		SHEET NO. 5 OF 8		
							SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

PACKAGED IN TUBES

NUMBER OF CIRCUITS	NUMBER OF DIFFERENTIAL PAIRS	MATERIAL NUMBER	A	B	C	D	E	F	PARTS PER TUBE
48	24	NOT TOOLED	51.52	38.61	4.50	35.11	44.86	7.25	NOT TOOLED
48	24	750030105	51.52	38.61	5.50	35.11	44.86	8.25	10
48	24	NOT TOOLED	51.52	38.61	6.50	35.11	44.86	9.25	NOT TOOLED
48	24	NOT TOOLED	51.52	38.61	8.50	35.11	44.86	11.25	NOT TOOLED
48	24	750030110	51.52	38.61	10.50	35.11	44.86	13.25	10
48	24	NOT TOOLED	51.52	38.61	12.50	35.11	44.86	15.25	NOT TOOLED
72	36	NOT TOOLED	72.58	59.67	4.50	56.17	65.92	7.25	NOT TOOLED
72	36	750030205	72.58	59.67	5.50	56.17	65.92	8.25	7
72	36	NOT TOOLED	72.58	59.67	6.50	56.17	65.92	9.25	NOT TOOLED
72	36	NOT TOOLED	72.58	59.67	8.50	56.17	65.92	11.25	NOT TOOLED
72	36	750030210	72.58	59.67	10.50	56.17	65.92	13.25	7
72	36	NOT TOOLED	72.58	59.67	12.50	56.17	65.92	15.25	NOT TOOLED

SEE SHEET 1	EC NO. UCP2001-7785 DRAWING#S BARRA 2010/01/22 CHPO:SDANLELL 2001/10/25 APPR:SKILLER 2010/01/28	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION	
						MM ONLY		3:1	METRIC		
				 =0	mm	INCH	DRAWN BY	DATE	TITLE SALES DRAWING FOR HIGH SPEED MEZZANINE PLUG  MOLEX INCORPORATED		
				 =0	4 PLACES ± ---	± ---	KSTILES	2001/10/24			
				 =0	3 PLACES ± ---	± ---	CHECKED BY	DATE			
					2 PLACES ± 0.13	± ---	KREGNIER	2001/10/25			
					1 PLACE ± 0.25	± ---	APPROVED BY	DATE			
					ANGULAR ±1/2°		SMILLER	2010/01/28	DOCUMENT NO. SD-75003-001		
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.				SHEET NO. 6 OF 8
							SEE TABLE				
			SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

PACKAGED IN TAPE AND REEL

NUMBER OF CIRCUITS	NUMBER OF DIFFERENTIAL PAIRS	MATERIAL NUMBER	A	B	C	D	E	F	CARRIER TAPE WIDTH G	PARTS PER REEL
12	6	NOT TOOLED	19.93	7.02	4.50	3.52	13.27	7.25	NOT TOOLED	
12	6	750032305	19.93	7.02	5.50	3.52	13.27	8.25	NOT TOOLED	
12	6	NOT TOOLED	19.93	7.02	6.50	3.52	13.27	9.25	NOT TOOLED	
12	6	750032308	19.93	7.02	8.50	3.52	13.27	11.25	NOT TOOLED	
12	6	750032310	19.93	7.02	10.50	3.52	13.27	13.25	NOT TOOLED	
12	6	NOT TOOLED	19.93	7.02	12.50	3.52	13.27	15.25	NOT TOOLED	
24	12	NOT TOOLED	30.46	17.55	4.50	14.05	23.80	7.25	NOT TOOLED	
24	12	750032005	30.46	17.55	5.50	14.05	23.80	8.25	NOT TOOLED	
24	12	NOT TOOLED	30.46	17.55	6.50	14.05	23.80	9.25	NOT TOOLED	
24	12	750032008	30.46	17.55	8.50	14.05	23.80	11.25	56	186
24	12	750032010	30.46	17.55	10.50	14.05	23.80	13.25	NOT TOOLED	
24	12	NOT TOOLED	30.46	17.55	12.50	14.05	23.80	15.25	NOT TOOLED	

SEE SHEET 1	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
					MM ONLY		3:1	METRIC	
			mm	INCH	DRAWN BY	DATE	TITLE SALES DRAWING FOR HIGH SPEED MEZZANINE PLUG		
			4 PLACES ± ---	± ---	KSTILES	2001/10/24			
			3 PLACES ± ---	± ---	CHECKED BY	DATE			
			2 PLACES ± 0.13	± ---	KREGNIER	2001/10/25			
			1 PLACE ± 0.25	± ---	APPROVED BY	DATE			
			ANGULAR ±1/2°		SMILLER	2010/01/28	MOLEX INCORPORATED		
					MATERIAL NO.	DOCUMENT NO.		SHEET NO.	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-75003-001		
		SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

PACKAGED IN TAPE AND REEL

NUMBER OF CIRCUITS	NUMBER OF DIFFERENTIAL PAIRS	MATERIAL NUMBER	A	B	C	D	E	F	CARRIER TAPE WIDTH G	PARTS PER REEL
48	24	NOT TOOLED	51.52	38.61	4.50	35.11	44.86	7.25	NOT TOOLED	
48	24	750032105	51.52	38.61	5.50	35.11	44.86	8.25	72	260
48	24	NOT TOOLED	51.52	38.61	6.50	35.11	44.86	9.25	NOT TOOLED	
48	24	NOT TOOLED	51.52	38.61	8.50	35.11	44.86	11.25	NOT TOOLED	
48	24	750032110	51.52	38.61	10.50	35.11	44.86	13.25	72	160
48	24	NOT TOOLED	51.52	38.61	12.50	35.11	44.86	15.25	NOT TOOLED	
72	36	NOT TOOLED	72.58	59.67	4.50	56.17	65.92	7.25	NOT TOOLED	
72	36	750032205	72.58	59.67	5.50	56.17	65.92	8.25	NOT TOOLED	
72	36	NOT TOOLED	72.58	59.67	6.50	56.17	65.92	9.25	NOT TOOLED	
72	36	NOT TOOLED	72.58	59.67	8.50	56.17	65.92	11.25	NOT TOOLED	
72	36	750032210	72.58	59.67	10.50	56.17	65.92	13.25	NOT TOOLED	
72	36	NOT TOOLED	72.58	59.67	12.50	56.17	65.92	15.25	NOT TOOLED	

ADD PKG DETAILS			QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION
EC NO.	UCP2010-1785	REV		mm		INCH	MM ONLY		3:1	METRIC	
DRWMS BARBA	2010/01/22			4 PLACES	±---	±---	DRAWN BY	DATE	TITLE	SALES DRAWING FOR HIGH SPEED MEZZANINE PLUG	
CHKD DANIELLEY	2001/10/25			3 PLACES	±---	±---	CHECKED BY	DATE			
APPR SMILLER	2010/01/28			2 PLACES	±0.13	±---	KREGNIER	2001/10/25			
			1 PLACE	±0.25	±---	APPROVED BY	DATE				
				ANGULAR ±1/2°		SMILLER	2010/01/28		MOLEX INCORPORATED		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							MATERIAL NO.	DOCUMENT NO.		SHEET NO.	
							SEE TABLE	SD-75003-001		8 OF 8	
							SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			