



Distributor of Molex Connector Corporation: Excellent Integrated System Limited
Datasheet of 0467651001 - Connector Receptacle HDMI Micro 19 Position Surface Mount,
Right Angle, Horizontal

Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

Excellent Integrated System Limited

Stocking Distributor

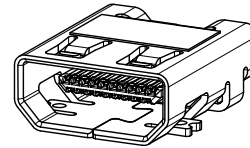
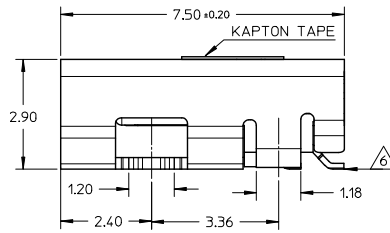
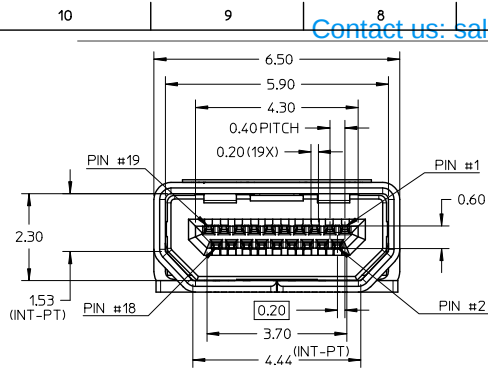
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[Molex Connector Corporation](#)
[0467651001](#)

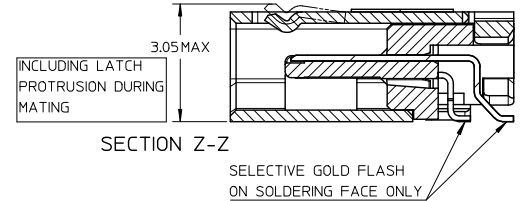
For any questions, you can email us directly:

sales@integrated-circuit.com

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MICRO HDMI-SMT TYPE MOUNTING
ISOMETRIC VIEW



NOTES:

1. MATERIALS:

HOUSING: LCP, 30% GLASS FILLED, UL94V-0

TERMINALS: COPPER ALLOY

SHIELD: STAINLESS STEEL

2. FINISHES:

TERMINALS: GOLD ON CONTACT AREA (Refer Table).

0.05UM MIN GOLD FLASH ON SOLDER TAILS.

AND 2.0UM MIN NICKEL UNDERPLATE OVERALL

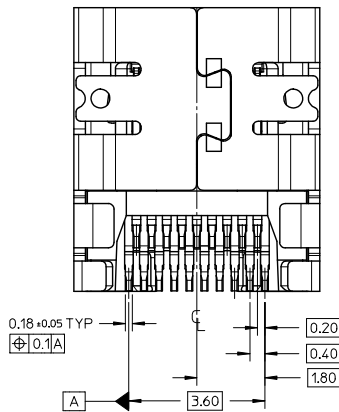
SHIELD: MATTE TIN (Refer Table) OVER 1.27UM MIN NICKEL

3. PRODUCT SPECIFICATION: PS-46765-003

4. PACKAGING SPECIFICATION: PACKED IN TAPE & REEL

5. SEE SHEET 4 OF 5 FOR RECOMMENDED PCB LAYOUT

△. TERMINAL SOLDER-TAIL COPLANARITY 0.08 MAX



DESCRIPTION	Contact: 0.76µM Gold Min Shield: 3.8µM Tin Min PART NUMBER	Contact: 0.38µM Gold Min Shield: 2.0µM Tin Min PART NUMBER
SMT TYPE+KAPTON TAPE	46765-0001	46765-0301
SMT TYPE+BLACK HSG+KAPTON TAPE	--	46765-0302
SMT TYPE	46765-0011	46765-0311
SMT TYPE+BLACK HSG	--	46765-0312

RELEASED
EC NO: S2013-0441
2013/01/10
DRAWN: WANG25
2013/01/10
CHKD: JESSIECHUA
2013/01/17
APPR: SHONG

QUALITY SYMBOLS
▽=0
▽=0

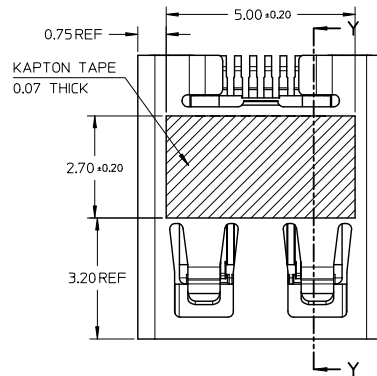
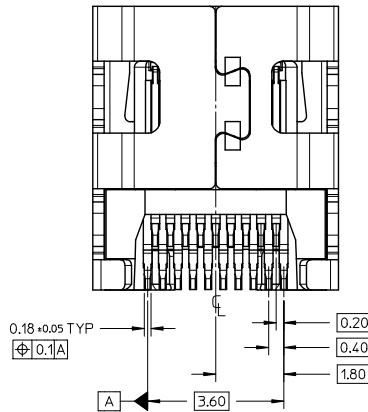
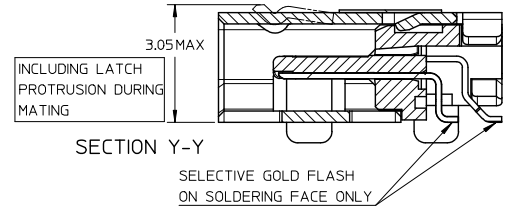
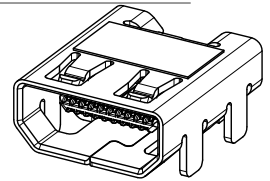
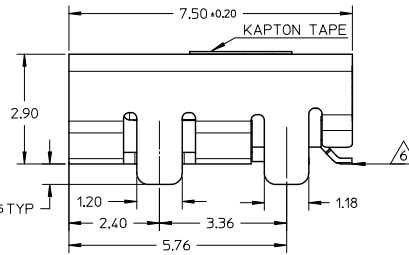
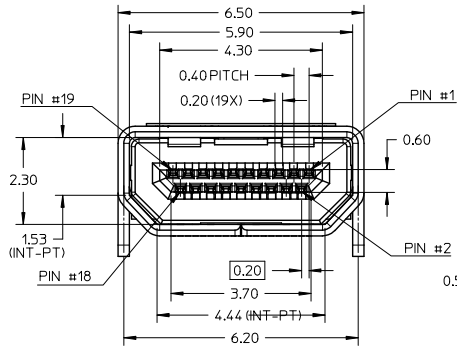
GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.1	± ---
1 PLACE	± ---	± ---
ANGULAR ± 2 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
CHKD BY	DATE
APPROVED BY	DATE
MATERIAL NO.	

SCALE	DESIGN UNITS
NTS	METRIC

THIRD ANGLE PROJECTION	
MICRO HDMI, TYPE-D 0.4MM PITCH, 19CKT RECEPTACLE CONNECTOR	
MOLEX INCORPORATED	
DOCUMENT NO.	SHEET NO.
SD-46765-001	1 OF 5

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NOTES:

1. MATERIALS:

HOUSING: LCP, 30% GLASS FILLED, UL94V-0

TERMINALS: COPPER ALLOY

SHIELD: STAINLESS STEEL

2. FINISHES:

TERMINALS: GOLD ON CONTACT AREA (Refer Table),

0.05UM MIN GOLD FLASH ON SOLDER TAILS,

AND 2.0UM MIN NICKEL UNDERPLATE OVERALL

SHIELD: MATTE TIN (Refer Table) OVER 1.27UM MIN NICKEL

3. PRODUCT SPECIFICATION: PS-46765-003

4. PACKAGING SPECIFICATION: PACKED IN TAPE & REEL

5. SEE SHEET 4 OF 5 FOR RECOMMENDED PCB LAYOUT

△ TERMINAL SOLDER-TAIL COPLANARITY 0.08 MAX

DESCRIPTION	Contact: 0.764M Gold Min Shield: 3.81M Tin Min PART NUMBER	Contact: 0.381M Gold Min Shield: 2.04M Tin Min PART NUMBER
THRU HOLE TYPE+KAPTON TAPE	46765-1001	46765-1301
THRU HOLE TYPE+BLACK HSG+KAPTON TAPE	--	46765-1302
THRU HOLE TYPE	46765-1011	46765-1311
THRU HOLE TYPE+BLACK HSG	--	46765-1312

RELEASED
EC NO: S2013-0441
DRAWN: WANG25 2013/01/10
CHKD: JESSIECHUA 2013/01/10
APPR: SHONG 2013/01/17
REV

QUALITY SYMBOLS
▽=0
▽=0

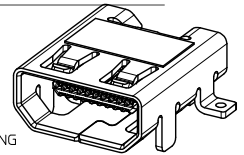
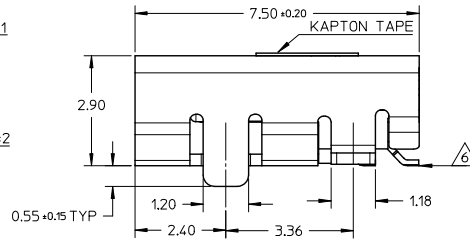
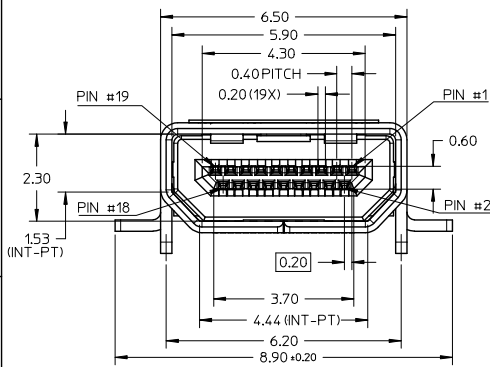
	GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.1	± ---
1 PLACE	± ---	± ---
ANGULAR ± 2 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE MM ONLY	
DRAWN BY	DATE
CHKD BY	DATE
APPROVED BY	DATE
MATERIAL NO.	

SCALE	DESIGN UNITS
NTS	METRIC

THIRD ANGLE PROJECTION	
MICRO HDMI, TYPE-D 0.4MM PITCH, 19CKT RECEPTACLE CONNECTOR	
MOLEX INCORPORATED	
DOCUMENT NO.	SHEET NO.
SD-46765-001	2 OF 5

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MICRO HDMI
HYBRID TYPE MOUNTING

INCLUDING LATCH
PROTRUSION DURING
MATING

SECTION X-X

SELECTIVE GOLD FLASH
ON SOLDERING FACE ONLY

NOTES:

1. MATERIALS:

HOUSING: LCP, 30% GLASS FILLED, UL94V-0
TERMINALS: COPPER ALLOY
SHIELD: STAINLESS STEEL

2. FINISHES:

TERMINALS: GOLD ON CONTACT AREA (Refer Table),
0.05UM MIN GOLD FLASH ON SOLDER TAILS,
AND 2.0UM MIN NICKEL UNDERPLATE OVERALL
SHIELD: MATTE TIN (Refer Table) OVER 1.27UM MIN NICKEL

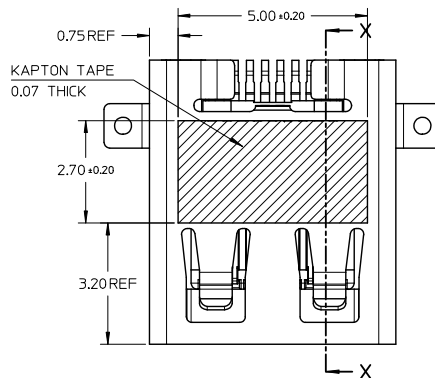
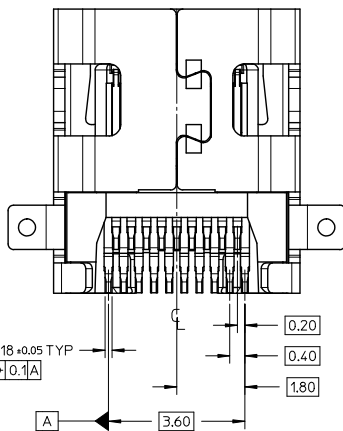
3. PRODUCT SPECIFICATION: PS-46765-003

4. PACKAGING SPECIFICATION: PACKED IN TAPE & REEL

5. SEE SHEET 4 OF 5 FOR RECOMMENDED PCB LAYOUT

6. TERMINAL SOLDER-TAIL COPLANARITY 0.08 MAX

DESCRIPTION	Contact: 0.76MM Gold Min Shield: 3.8MM Tin Min PART NUMBER	Contact: 0.38MM Gold Min Shield: 2.0MM Tin Min PART NUMBER
HYBRID TYPE-KAPTON TAPE	46765-2001	46765-2301
HYBRID TYPE-BLACK HOUSING-KAPTON TAPE	46765-2021	46765-2302
HYBRID TYPE	46765-2011	46765-2311
HYBRID TYPE-BLACK HSG	--	46765-2312



RELEASED	EC NO: S2013-0441	2013/01/10
D1	CHKD: JESSIE CHUA	2013/01/10
	APPR: SHONG	2013/01/17

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.1	± ---
1 PLACE	± ---	± ---
ANGULAR ± 2 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

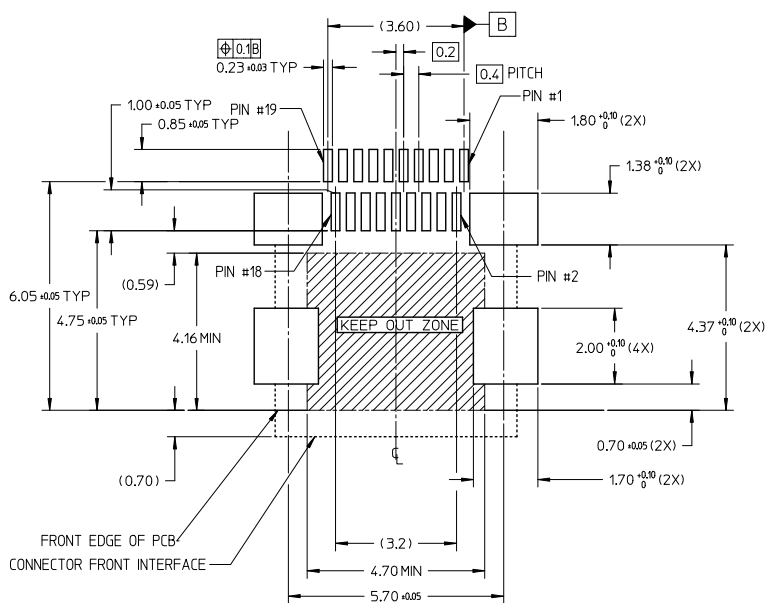
DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
MM ONLY	NTS	METRIC	
DRAWN BY	DATE	TITLE	
CHKD BY	DATE		
APPROVED BY	DATE		
MATERIAL NO.			
SEE TABLE			

MOLEX INCORPORATED	SD-46765-001	SHEET NO. 3 OF 5
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

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PIN	SIGNAL ASSIGNMENT
1	Hot Plug Detect
2	Utility
3	TMDS Data2+
4	TMDS Data2 Shield
5	TMDS Data2-
6	TMDS Data1+
7	TMDS Data1 Shield
8	TMDS Data1-
9	TMDS Data0+
10	TMDS Data0 Shield
11	TMDS Data0-
12	TMDS Clock+
13	TMDS Clock Shield
14	TMDS Clock-
15	CEC
16	DDC/CEC Ground
17	SCL
18	SDA
19	+5V Power

CONNECTION	SIGNALS
	TYPE D CONNECTOR
FIRST MAKE	CONNECTOR SHELL
SECOND MAKE	PINS 1 - 18
THIRD MAKE	PIN 19 (+5V POWER)

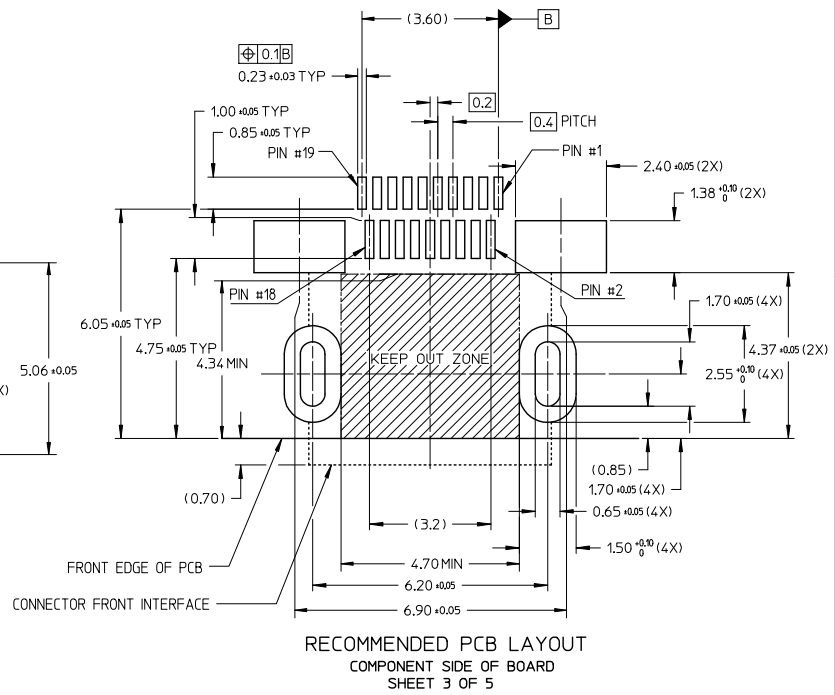
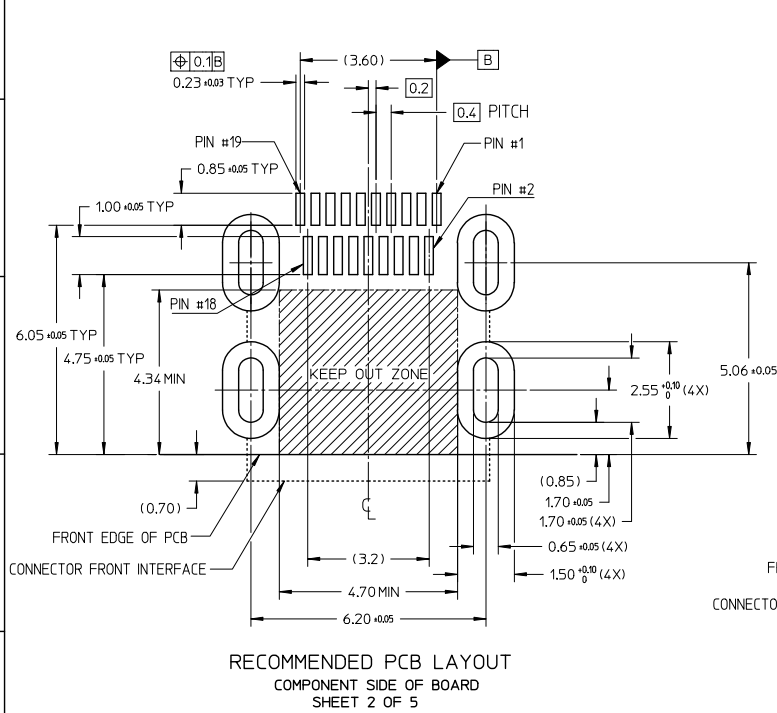


RECOMMENDED PCB LAYOUT

COMPONENT SIDE OF BOARD
SHEET 1 OF 5

RELEASED EC NO: 52013-0441 DRAWN: CWA025 2013/01/10 CHKO: JESSIECHUA 2013/01/10 APPR: SHONG 2013/01/17	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION															
	▽=0 ▽=0	<table><thead><tr><th></th><th>mm</th><th>INCH</th></tr></thead><tbody><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>2 PLACES</td><td>± 0.1</td><td>± ---</td></tr><tr><td>1 PLACE</td><td>± ---</td><td>± ---</td></tr></tbody></table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.1	± ---	1 PLACE	± ---	± ---	DRAWN BY MKAMARAU DATE 2008/10/14 CHECKED BY DATE MKAMARAU 2008/10/14 APPROVED BY DATE NAGESHKN 2010/11/19		TITLE MICRO HDMI, TYPE-D 0.4MM PITCH, 19KCT RECEPTACLE CONNECTOR  MOLEX INCORPORATED			
		mm	INCH																				
	4 PLACES	± ---	± ---																				
	3 PLACES	± ---	± ---																				
2 PLACES	± 0.1	± ---																					
1 PLACE	± ---	± ---																					
	ANGULAR ± 2 °	MATERIAL NO.		DOCUMENT NO.		SHEET NO. 4 OF 5																	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLE		SD-46765-001																			
		SIZE A THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																					

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RELEASED	EC NO. S2013-0441	2013/01/10	DRWN:WANG25	2013/01/10	CHKD:JESSIECHUA	2013/01/10	APPR:SHONG	2013/01/17	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE		SCALE	DESIGN UNITS		THIRD ANGLE PROJECTION	TITLE	MICRO HDMI, TYPE-D 0.4MM PITCH, 19CKT RECEPTACLE CONNECTOR	 MOLEX INCORPORATED	DOCUMENT NO.	SD-46765-001	SHEET NO. 5 OF 5
				MM ONLY		NTS	METRIC																		
				DRAWN BY		DATE																			
				CHECKED BY		DATE																			
				APPROVED BY		DATE																			
				MATERIAL NO.																					
				SEE TABLE																					
			SIZE		A3		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																						