

Excellent Integrated System Limited

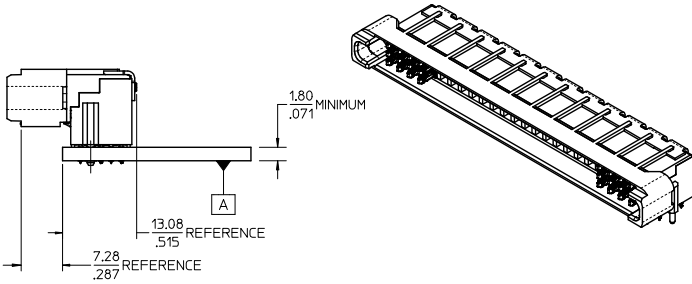
Stocking Distributor

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

[Molex Connector Corporation](#)
[0750180026](#)

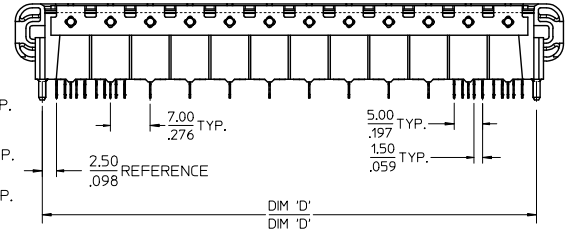
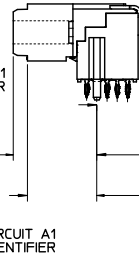
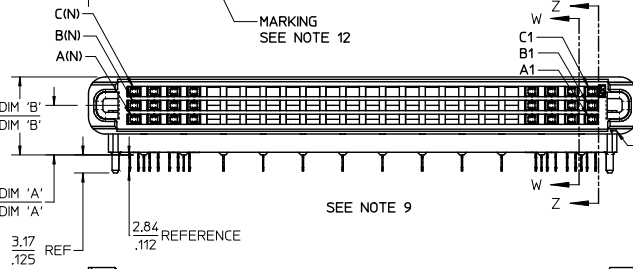
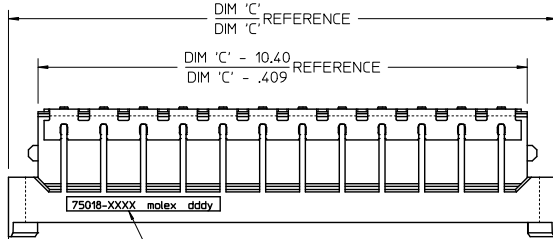
For any questions, you can email us directly:

sales@integrated-circuit.com



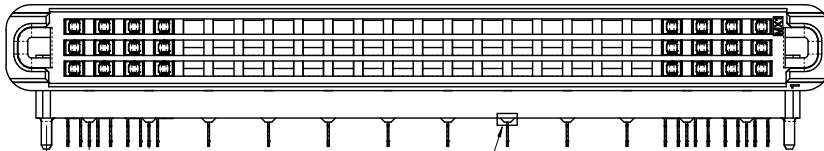
NOTES:

- 1) MATERIALS:
HOUSING - LIQUID CRYSTAL POLYMER, UL94 V-0
WAFER DIELECTRIC - LIQUID CRYSTAL POLYMER, UL94 V-0
CONTACT - COPPER ALLOY
- 2) FINISHES: SEE SHEET 2
- 3) PRODUCT SPECIFICATION: THIS PART CONFORMS TO MOLEX SPECIFICATION PS-75018-001.
- 4) PACKAGING SPECIFICATION: THIS PART TO BE PACKAGED PER SPECIFICATION PK-75020-030.
- 5) APPLICATION SPECIFICATION: THIS PART TO BE APPLIED PER SPECIFICATION PS-75018-001.
- 6) MATING INFORMATION
THIS PART MATES WITH 75019-XXXX.
WILL MATE WITH MAXIMUM 1.27mm MIS-ALIGNMENT.
WILL MATE WITH MAXIMUM 0.5° MIS-ALIGNMENT.
- 7) FOR CIRCUIT DESIGNATION SEE SHEET 3
- 8) FOR PCB INFORMATION SEE SHEET 3
- 9) CIRCUITS IN THIS ZONE HAVE BEEN OMITTED TO SIMPLIFY THE MODEL. ACTUAL PRODUCT IS FULLY LOADED WITH TERMINALS.
- 10) APPLICATION TOOLING KEEP OUT AREA. NO COMPONENTS ALLOWED IN THIS AREA.
- 11) CONFORMS TO MOLEX COSMETIC SPECIFICATION PS-45499-002 & PS-45499-003, CLASS C.
- 12) MARKING: PART NUMBER, MOLEX LOGO, DATE CODE
- 13) RECOMMENDED DRILL SIZE 0.66±0.03 TO YIELD FINISHED PLATED THROUGH HOLE OF 0.55±0.05



MOD	PCB TAIL HOLE DIM	EC NO.	UCP2014-4737	DRAWN BY	2014/05/13	CHECKED BY	2014/05/13	APPROVED BY	2014/05/22	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	TITLE	MOLEX	DOCUMENT NO.	SHEET NO.
4	PLACES	±	---	±	---	mm	INCH	2013/11/05	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
3	PLACES	±	---	±	---	mm	INCH	2013/11/05	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
2	PLACES	±	0.13	±	0.01	mm	INCH	2013/11/05	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
1	PLACE	±	0.25	±	---	mm	INCH	2013/11/05	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
0	PLACE	±	---	±	---	mm	INCH	2013/11/05	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
ANGULAR ±1/2°											SEE TABLE								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS											THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								
MOD PCB TAIL HOLE DIM											PLATEAU HS DOCK FIXED CONNECTOR NO GROUND FINGER								
EC NO: UCP2014-4737											SD-75018-5000								
DRAWN BY: RWHIPPLE											1 OF 3								
CHECKED BY: DATE																			
APPROVED BY: DATE																			
MATERIAL NO.																			
DATE																			

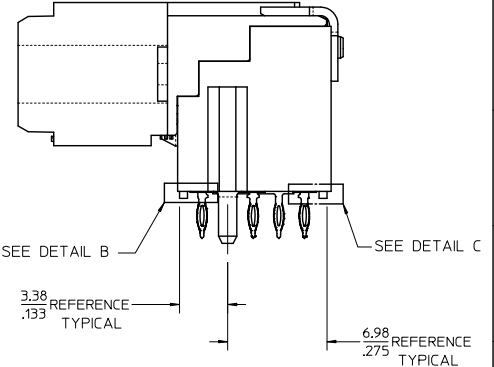
ITEM NUMBER	CIRCUT SIZE	NO. OF COLUMNS 'N'	PLATING FINISH	CENTERLINE DIMENSION 'A' mm(in)	O/A HEIGHT DIMENSION 'B' mm(in)	O/A LENGTH DIMENSION 'C' mm(in)	PEG TO PEG DIMENSION 'D' mm(in)	FIRST-LAST DIMENSION 'E' mm(in)
75018-5021	144	24	FINISH 1	4.74 (.187)	9.78 (.385)	96.50 (3.799)	87.00 (3.425)	82.00 (3.228)
75018-5022	144	24	FINISH 1	5.74 (.226)	10.78 (.424)	96.50 (3.799)	87.00 (3.425)	82.00 (3.228)
75018-5023	144	24	FINISH 1	8.74 (.344)	13.78 (.543)	96.50 (3.799)	87.00 (3.425)	82.00 (3.228)
75018-5024	108	18	FINISH 1	4.74 (.187)	9.78 (.385)	75.50 (2.972)	66.00 (2.598)	61.00 (2.402)
75018-5025	108	18	FINISH 1	8.74 (.344)	13.78 (.543)	75.50 (2.972)	66.00 (2.598)	61.00 (2.402)
75018-5026	120	20	FINISH 1	4.74 (.187)	9.78 (.385)	82.50 (3.248)	73.00 (2.874)	68.00 (2.677)
75018-5027	108	18	FINISH 1	5.74 (.226)	10.78 (.424)	75.50 (2.972)	66.00 (2.598)	61.00 (2.402)
75018-5029	120	20	FINISH 1	5.74 (.226)	10.78 (.424)	82.50 (3.248)	73.00 (2.874)	68.00 (2.677)
75018-5221	144	24	FINISH 2	4.74 (.187)	9.78 (.385)	96.50 (3.799)	87.00 (3.425)	82.00 (3.228)
75018-5224	108	18	FINISH 2	4.74 (.187)	9.78 (.385)	75.50 (2.972)	66.00 (2.598)	61.00 (2.402)



5.00
.197 REFERENCE

7.00
.276 REFERENCE
TYPICAL

SEE DETAIL A



3.38
.133 REFERENCE
TYPICAL

6.98
.275 REFERENCE
TYPICAL

1) PLATING FINISHES:

FINISH 1:

CONTACT INTERFACE

0.76 MICROMETERS/30 MICROINCHES MINIMUM SELECT GOLD

NICKEL UNDERPLATE OVERALL

COMPLIANT INTERFACE

0.76 MICROMETERS/30 MICROINCHES MINIMUM SELECT MATTE-TIN OVER

NICKEL UNDERPLATE OVERALL

HOUSING

3.81 MICROMETERS/150 MICROINCHES MINIMUM NICKEL OVER

COPPER UNDERPLATE OVERALL

FINISH 2:

CONTACT INTERFACE

0.76 MICROMETERS/30 MICROINCHES MINIMUM SELECT GOLD

NICKEL UNDERPLATE OVERALL

COMPLIANT INTERFACE

0.76 MICROMETERS/30 MICROINCHES MINIMUM SELECT MATTE-TIN OVER

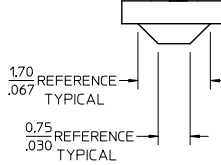
NICKEL UNDERPLATE OVERALL

HOUSING

0.10 MICROMETERS/4 MICROINCHES MAXIMUM GOLD OVER

3.81 MICROMETERS/150 MICROINCHES MINIMUM NICKEL OVER

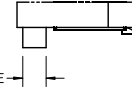
COPPER UNDERPLATE OVERALL



1.70
.067 REFERENCE
TYPICAL

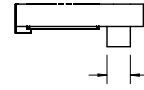
0.75
.030 REFERENCE
TYPICAL

DETAIL A
SCALE 15:1



0.55
.022 REFERENCE
TYPICAL

DETAIL B
SCALE 15:1



0.55
.022 REFERENCE
TYPICAL

DETAIL C
SCALE 15:1

SEE SHEET 1 EC NO. UCP 2014-4737 DRAWN: TABARA CHKD: MOFF APPR: SMILLER 2014/05/13 2014/05/13 2014/05/12	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM/IN		SCALE 3:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
	  		mm	INCH	DRAWN BY DATE	TITLE	PLATEAU HS DOCK FIXED CONNECTOR NO GROUND FINGER molex			
		4 PLACES ± ± ± ±	RWHIPPLE 2013/11/05							
		3 PLACES ± ± ± ±	CHECKED BY DATE							
		2 PLACES ± ± ± ±	APPROVED BY DATE	2013/11/19	SD-75018-5000					
		1 PLACE ± ± ± ±								
REV	DESCRIPTION	ANGULAR ±1/2°				MATERIAL NO.	DOCUMENT NO.	SHEET NO. 2 OF 3		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE TABLE				
		SIZE C				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

SEE SHEET 1

EC NO: UCF2014-4737
2014/05/13
CHKD: BARRA
2014/05/13
APPR: MILLER
2014/05/22

QUALITY SYMBOLS
▽=0
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

DIMENSION STYLE
MM/IN

SCALE
3:1

DESIGN UNITS
METRIC

THIRD ANGLE PROJECTION

8.38
.330 TYPICAL

C(N)
B(N)
A(N)

FIXED PCB

NO EXPOSED TRACES ON
SURFACE OF PCB IN
CONNECTOR STAND OFF LOCATIONS
CONNECTOR KEEP OUT AREA
APPLICATION TOOLING
KEEP OUT AREA (NOTES 5 & 10)

CIRCUIT DESIGNATION

FIRST MATE: HOUSING - SIGNAL GROUND
SECOND MATE: A1, C1, A(N), C(N) (FOR POWER RETURN)
THIRD MATE: A2, B2, C2, A(N-1), B(N-1), C(N-1) & ALL OTHERS
(A2, C2, A(N-1) & C(N-1) FOR POWER)
(ALL OTHERS SIGNAL)
LAST MATE: B1, B(N) (FOR CARD DETECT)

ALL COLUMNS FROM 3 THROUGH (N-2) ARE SUITABLE FOR
DIFFERENTIAL PAIRS
EG: A3-A4, B3-B4, C3-C4, A(N-2)-A(N-3), B(N-2)-B(N-3)

SIGNAL GROUND: ROWS D & E

3.8
.151 TYPICAL

4.95 +0.15
-1.15
.195 +0.06
-0.45

16.6
.654 TYPICAL

DIM 'E' - 5.00 REFERENCE

DIM 'E' - .197 REFERENCE

DIM 'E' REFERENCE

DIM 'E' +0.10 TYPICAL

DIM 'E' +.004 TYPICAL

NOTE: DATUM 'C' IS
CENTERLINE OF HOLES

DIM 'C' + 6.50 TYPICAL

DIM 'C' - .256 TYPICAL

DIM 'C' + 0.50 TYPICAL

DIM 'C' - 0.20 TYPICAL

DIM 'C' + 5.50 TYPICAL

DIM 'C' - .217 TYPICAL

NOMINAL WIPE - FULL SEATED

FIRST MATE: 7.2mm
SECOND MATE: 2.4mm
THIRD MATE: 1.9mm
LAST MATE: 1.4mm

3.28
.129 TYPICAL - THIRD MATE

6.23
.245 REFERENCE

2.78
.110 TYPICAL - LAST MATE

3.78
.149 TYPICAL - SECOND MATE

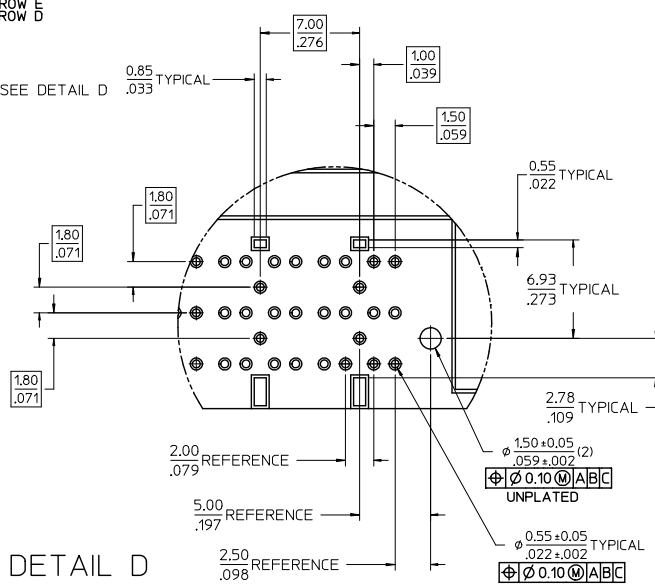
SEATING PLANE

6.23
.245 REFERENCE

SECTION W-W

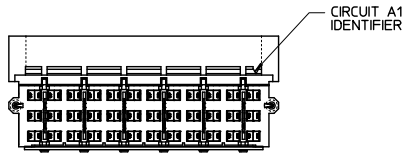
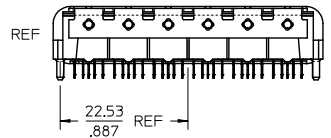
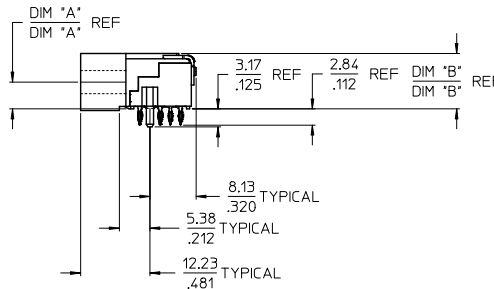
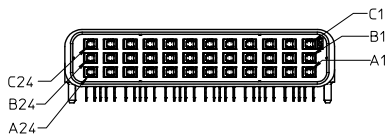
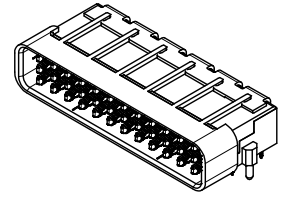
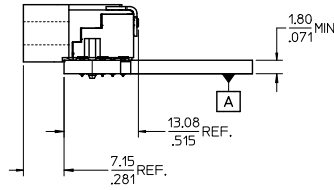
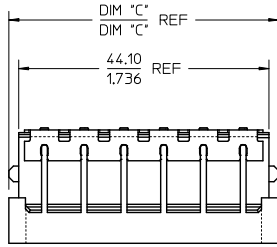
SECTION Z-Z

DETAIL D
SCALE 5:1



SEE SHEET 1 EC NO: UC7204-4737 DRAWN: TBARRA 2014/05/13 CHECKED: CROOK 2014/05/13 APPROVED: CROOK 2014/05/12	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM/IN		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE PLATEAU HS DOCK FIXED CONNECTOR NO GROUND FINGER molex DOCUMENT NO. SD-75018-5000 SHEET NO. 3 OF 3
	  	mm		INCH		DRAWN BY RWHP/PPLE	DATE 2013/11/05	TITLE			
		4 PLACES	±	---	±	---	CHECKED BY		DATE		
		3 PLACES	±	---	±	.005					
		2 PLACES	±	0.13	±	.01					
		1 PLACE	±	0.25	±	---	APPROVED BY		DATE		
			0 PLACE	±		±	SMILLER	2013/11/19			
	ANGULAR ±1/2°				MATERIAL NO.						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE TABLE						
	SIZE C				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

ITEM NUMBER	CIRCUIT SIZE	NO. OF COLUMNS 'N'	PLATING FINISH	CENTERLINE DIMENSION 'A' mm(in)	O/A HEIGHT DIMENSION 'B' mm(in)	O/A LENGTH DIMENSION 'C' mm(in)	PEG TO PEG DIMENSION 'D' mm(in)	FIRST-LAST DIMENSION 'E' mm(in)
75018-5100	72	12	FINISH 1	4.74 (.187)	9.78 (.385)	47.50 (1.870)	45.00 (1.722)	40.00 (1.575)
75018-6100	72	12	FINISH 2	4.74 (.187)	9.78 (.385)	47.50 (1.870)	45.00 (1.722)	40.00 (1.575)



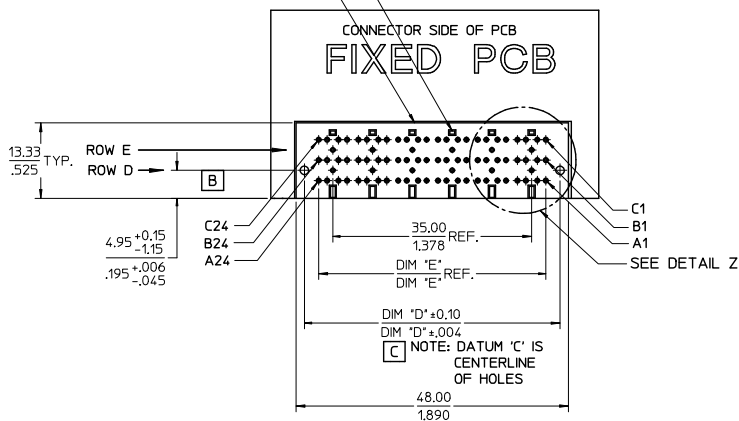
NOTES:

- 1) MATERIALS:
HOUSING - LIQUID CRYSTAL POLYMER, UL94 V-0
WAFER DIELECTRIC - LIQUID CRYSTAL POLYMER, UL94 V-0
CONTACT - COPPER ALLOY
- 2) FINISHES: SEE SHEET 2
- 3) PRODUCT SPECIFICATION: THIS PART CONFORMS TO MOLEX SPECIFICATION PS-75018-001.
- 4) PACKAGING SPECIFICATION: THIS PART TO BE PACKAGED PER SPECIFICATION PK-75020-030.
- 5) APPLICATION SPECIFICATION: THIS PART TO BE APPLIED PER SPECIFICATION PS-75018-001.
APPLICATION TOOL AND INSTRUCTIONS PER AS-75018-001.
- 6) MATING INFORMATION
THIS PART MATES WITH 75019-XXXX.
WILL MATE WITH MAXIMUM 127mm MIS-ALIGNMENT.
WILL MATE WITH MAXIMUM 0.5° MIS-ALIGNMENT.
- 7) FOR CIRCUIT DESIGNATION SEE SHEET 3
- 8) FOR PCB INFORMATION SEE SHEET 3
- 9) CIRCUITS IN THIS ZONE HAVE BEEN OMITTED TO SIMPLIFY THE MODEL. ACTUAL PRODUCT IS FULLY LOADED WITH TERMINALS.
- 10) APPLICATION TOOLING KEEP OUT AREA. NO COMPONENTS ALLOWED IN THIS AREA.
- 11) CONFORMS TO MOLEX COSMETIC SPECIFICATION PS-45499-002 & PS-45499-003, CLASS C.
- 12) MARKING: PART NUMBER, MOLEX LOGO, DATE CODE
- 13) RECOMMENDED DRILL SIZE 0.66±0.03 TO YIELD FINISHED PLATED THROUGH HOLE OF 0.55±0.05

INITIAL RELEASE EC NO: UCF2015-0969 DRAWN BY: RWHIPPLE CHECKED BY: TIBARRA APPROVED BY: SMILLER	QUALITY SYMBOLS	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION
					MM/IN		2:1	METRIC	
					DRAWN BY DATE		TITLE		
					RWHIPPLE 2014/09/09		PLATEAU HS DOCK		
					CHECKED BY DATE		FIXED CONNECTOR		
					TIBARRA 2014/09/09		NO GROUND FINGER		
					APPROVED BY DATE		molex		
					SMILLER 2014/09/22				
					MATERIAL NO.				
					ANGULAR ±1/2°		DOCUMENT NO.		
		DRAFT WHERE APPLICABLE		SEE TABLE		1 OF 2			
		MUST REMAIN WITHIN DIMENSIONS		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

NO EXPOSED TRACES ON
SURFACE OF PCB IN
CONNECTOR STAND OFF LOCATIONS

CONNECTOR KEEP OUT AREA



1) PLATING FINISHES:

FINISH 1:

CONTACT INTERFACE

0.76 MICROMETERS/30 MICROINCHES MINIMUM SELECT GOLD

NICKEL UNDERPLATE OVERALL

COMPLIANT INTERFACE

0.76 MICROMETERS/30 MICROINCHES MINIMUM SELECT MATTE-TIN OVER

NICKEL UNDERPLATE OVERALL

HOUSING

3.81 MICROMETERS/150 MICROINCHES MINIMUM NICKEL OVER

COPPER UNDERPLATE OVERALL

FINISH 2:

CONTACT INTERFACE

0.76 MICROMETERS/30 MICROINCHES MINIMUM SELECT GOLD

NICKEL UNDERPLATE OVERALL

COMPLIANT INTERFACE

0.76 MICROMETERS/30 MICROINCHES MINIMUM SELECT MATTE-TIN OVER

NICKEL UNDERPLATE OVERALL

HOUSING

0.10 MICROMETERS/4 MICROINCHES MAXIMUM GOLD OVER

3.81 MICROMETERS/150 MICROINCHES MINIMUM NICKEL OVER

COPPER UNDERPLATE OVERALL

SEE SHEET 1 EC NO: UCP2015-0969 DRAWN BY: RWHIPPLE 2014/09/09 CHKD: TIBARRA 2014/09/09 APPR: SMILLER 2014/09/22 REV: A	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM/IN		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE PLATEAU HS DOCK FIXED CONNECTOR NO GROUND FINGER molex	DOCUMENT NO. SD-75018-5100	SHEET NO. 2 OF 2				
			mm		INCH		DRAWN BY RWHIPPLE		DATE 2014/09/09									
			4 PLACES ±		±.005		CHECKED BY TIBARRA		DATE 2014/09/09									
			3 PLACES ±		±.01		APPROVED BY SMILLER		DATE 2014/09/22									
			1 PLACE ±		±.025		MATERIAL NO.											
			0 PLACE ±		±		SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
			ANGULAR ±1/2°				SEE TABLE								SD-75018-5100			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS															