

PART NUMBER	DESCRIPTION	LIGHT PIPE OPTIONS	PLATING
76870-0001	NO LIGHT PIPES	A = NONE	TIN/LEAD
76870-0002	WITH LIGHT PIPES	B = DOWN / UP	TIN/LEAD
76870-0003	NO LIGHT PIPES	A = NONE	TIN
76870-0004	WITH LIGHT PIPES	B = DOWN / UP	TIN
76870-0005	WITH LIGHT PIPES	C = UP / DOWN	TIN

OPTION A
NO LIGHT PIPES

OPTION B
WITH LIGHT PIPES

OPTION C
WITH LIGHT PIPES

DATE CODE
LOCATION
SEE NOTE 6

57.50
AT WIDEST POINT

62.04±0.25

BACK COVER

CAGE

AIR VENTS

COMPLIANT TAILS

EMI STRAPS

AIR-VENTS/EMI SHIELDS

PART NUMBER
76870-0001/-0003
SHOWN

25.11±0.20

12.00 REF

9.00 (3X)

6.60

10.70

2.06

1.25

26.34

17.4 REF

7.8 REF

19.00

CENTERLINES OF CONNECTORS

NOTES:

1. MATERIAL:

CAGE: NICKEL SILVER, 0.25mm THICK
EMI STRAPS: PHOS-BRONZE
AIR-VENT/LIGHT PIPE HOUSINGS: DIECAST ALLOY
LIGHT PIPES: POLYCARBONATE (OPTIONAL)
CONNECTOR HOUSING: HIGH TEMPERATURE THERMOPLASTIC
TERMINALS: COPPER ALLOY

2. FINISH:

CAGE: UNPLATED
EMI STRAPS: 2.5µm NICKEL OVERALL
AIR-VENT/LIGHT PIPE HOUSINGS: NICKEL OVER COPPER
TERMINALS: CONTACT AREA:
0.76-1.52 µm MIN. GOLD OVER 2.5 µm MIN. NICKEL.
COMPLIANT TAIL:
TIN/LEAD: 0.7-1.5 µm TIN/LEAD (90/10) OVER 1.3 µm NICKEL.
TIN: 0.7-1.5µm MIN. MATTE TIN OVER 1.3µm NICKEL.

3. PACKAGING: PRODUCT PACKAGED IN TRAYS AND CARTONS

4. ALL VISIBLE EXTERIOR SURFACES TO BE CLASS 'B' OR BETTER, EXCEPT FOR THE UNDERSIDE OF THE CAGE AND SHOULD CONFORM TO THE MOLEX COSMETIC STANDARD PS-45499-002

5. CONNECTOR MATES WITH PLUG CABLE SERIES 74757 AND 74758

6. DATE CODE LOCATION IS SHOWN.
DATE CODE FORMAT: DDDY
DDD= DAY OF THE YEAR
Y= YEAR

DATE CODE LOCATION SEE NOTE 6

57.50 AT WIDEST POINT

62.04±0.25

BACK COVER

CAGE

AIR VENTS

COMPLIANT TAILS

EMI STRAPS

AIR-VENTS/EMI SHIELDS

PART NUMBER
76870-0001/-0003
SHOWN

25.11±0.20

12.00 REF

9.00 (3X)

6.60

10.70

2.06

1.25

26.34

17.4 REF

7.8 REF

19.00

CENTERLINES OF CONNECTORS

NOTES:

1. MATERIAL:

CAGE: NICKEL SILVER, 0.25mm THICK
EMI STRAPS: PHOS-BRONZE
AIR-VENT/LIGHT PIPE HOUSINGS: DIECAST ALLOY
LIGHT PIPES: POLYCARBONATE (OPTIONAL)
CONNECTOR HOUSING: HIGH TEMPERATURE THERMOPLASTIC
TERMINALS: COPPER ALLOY

2. FINISH:

CAGE: UNPLATED
EMI STRAPS: 2.5µm NICKEL OVERALL
AIR-VENT/LIGHT PIPE HOUSINGS: NICKEL OVER COPPER
TERMINALS: CONTACT AREA:
0.76-1.52 µm MIN. GOLD OVER 2.5 µm MIN. NICKEL.
COMPLIANT TAIL:
TIN/LEAD: 0.7-1.5 µm TIN/LEAD (90/10) OVER 1.3 µm NICKEL.
TIN: 0.7-1.5µm MIN. MATTE TIN OVER 1.3µm NICKEL.

3. PACKAGING: PRODUCT PACKAGED IN TRAYS AND CARTONS

4. ALL VISIBLE EXTERIOR SURFACES TO BE CLASS 'B' OR BETTER, EXCEPT FOR THE UNDERSIDE OF THE CAGE AND SHOULD CONFORM TO THE MOLEX COSMETIC STANDARD PS-45499-002

5. CONNECTOR MATES WITH PLUG CABLE SERIES 74757 AND 74758

6. DATE CODE LOCATION IS SHOWN.
DATE CODE FORMAT: DDDY
DDD= DAY OF THE YEAR
Y= YEAR

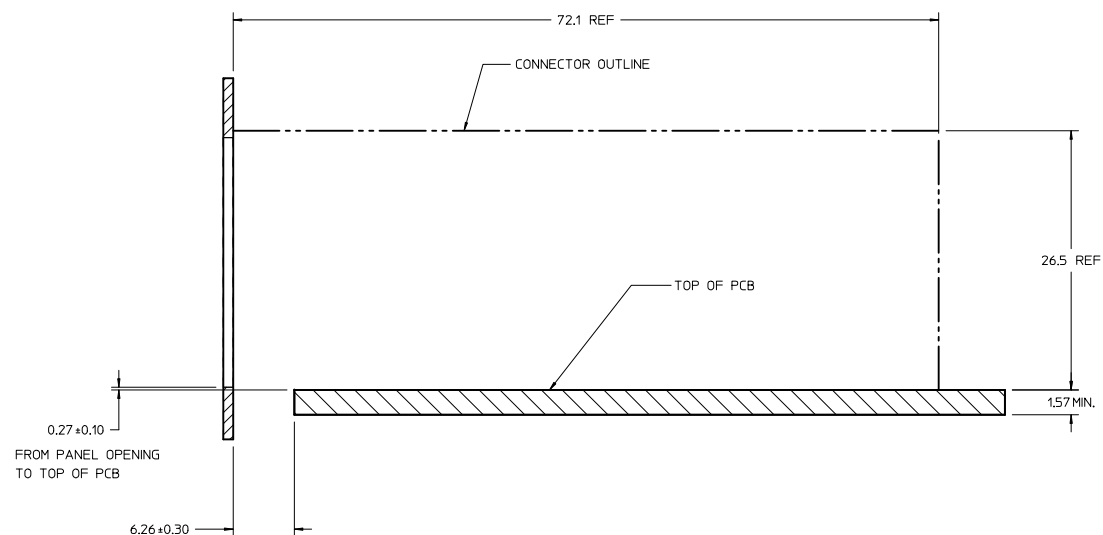
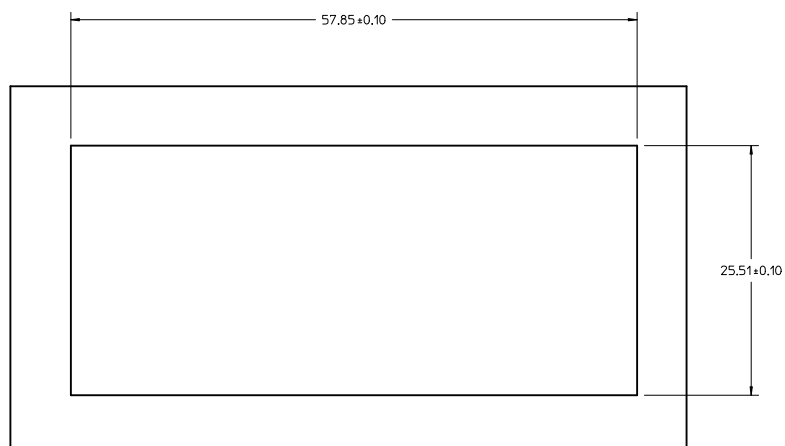


1. DASHED LINES INDICATE THE CONNECTOR OUTLINE, THIS AREA IS A COMPONENT KEEP-OUT ZONE.
2. CROSS HATCHED AREAS DENOTE CRITICAL POINTS WHERE CAGE OR CONNECTOR HOUSINGS CAN CONTACT THE BOARD. THESE AREAS ARE TRACE KEEP-OUT ZONES.
3. LED KEEP-IN ZONE DEFINES THE PHYSICAL SPACE ALLOWED FOR PLACEMENT OF SMD CHIP STYLE LED PACKAGES. KEEP-IN ZONE EXTENDS VERTICALLY TO 0.8mm ABOVE THE TOP SIDE OF BOARD.



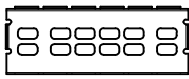
COMPONENT SIDE

Ib_frame_D_P_AM_T
Rev. F 2009/06/17

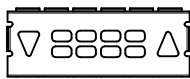


SEE SHEET 1 EC NO: UC2202-0911 G DRAWN: MANKIJC 2011/09/16 CHKD: APPR: MANKIJC 2011/09/16	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
	 	mm	INCH	DRAWN BY SBOGIEL	DATE 01/22/2009	TITLE	ASSEMBLY, QSPF PLUS STACKED 2 X 3 WITH ELASTOMER GASKET		
	4 PLACES $\pm .001$	$\pm .001$	$\pm .001$	CHECKED BY KRENGIER	DATE 01/23/2009				
	3 PLACES $\pm .013$	$\pm .013$	$\pm .013$	APPROVED BY MBANAKIS	DATE 01/26/2009		MOLEX INCORPORATED		
	2 PLACES $\pm .025$	ANGULAR $\pm 1/2^\circ$		MATERIAL NO.		DOCUMENT NO.	SHEET NO. 3 OF 3		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		SD-76870-001				
	SIZE D	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

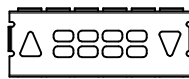
PART NUMBER	DESCRIPTION	LIGHT PIPE OPTIONS	PLATING
76870-2003	NO LIGHT PIPES	A = NONE	TIN
76870-2004	WITH LIGHT PIPES	B = DOWN / UP	TIN
76870-2005	WITH LIGHT PIPES	C = UP / DOWN	TIN



OPTION A
NO LIGHT PIPES



OPTION B
DOWN / UP



OPTION C
UP / DOWN

NOTES:

1. MATERIAL:

CAGE: NICKEL SILVER, 0.25mm THICK
EMI STRAPS: PHOS-BRONZE
AIR-VENT/LIGHT PIPE HOUSINGS: DIECAST ALLOY
LIGHT PIPES: POLYCARBONATE (OPTIONAL)
CONNECTOR HOUSING: HIGH TEMPERATURE THERMOPLASTIC
TERMINALS: COPPER ALLOY

2. FINISH:

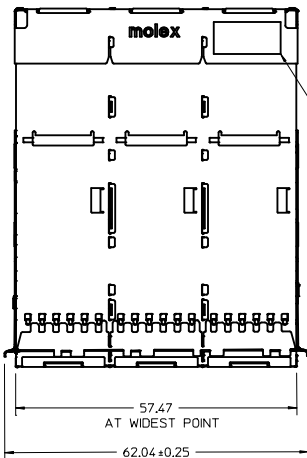
CAGE: UNPLATED
EMI STRAPS: 2.5µm NICKEL OVERALL
AIR-VENT/LIGHT PIPE HOUSINGS: NICKEL OVER COPPER
TERMINALS: CONTACT AREA:
0.76-152 µm MIN. GOLD OVER 2.5 µm MIN. NICKEL.
COMPLIANT TAIL:
TIN/LEAD: 0.7-1.5µm TIN/LEAD (90/10) OVER 1.3 µm NICKEL.
TIN: 0.7-1.5µm MIN. MATTE TIN OVER 1.3µm NICKEL.

3. PACKAGING: PRODUCT PACKAGED IN TRAYS AND CARTONS

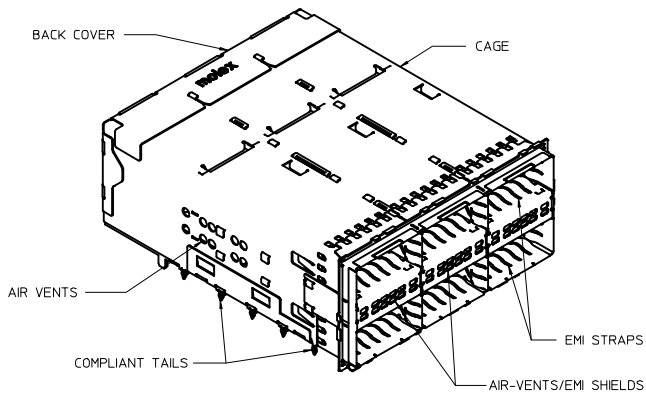
4. ALL VISIBLE EXTERIOR SURFACES TO BE CLASS 'B' OR BETTER, EXCEPT FOR THE UNDERSIDE OF THE CAGE AND SHOULD CONFORM TO THE MOLEX COSMETIC STANDARD PS-45499-002

5. CONNECTOR MATES WITH PLUG CABLE SERIES 74757 AND 74758

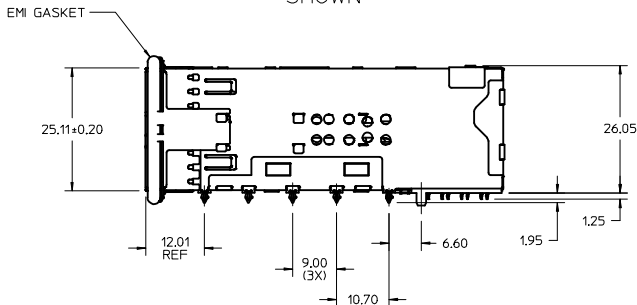
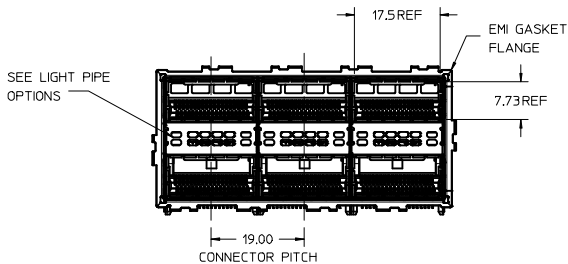
6. DATE CODE LOCATION IS SHOWN.
DATE CODE FORMAT: DDDY
DDD= DAY OF THE YEAR
Y= YEAR



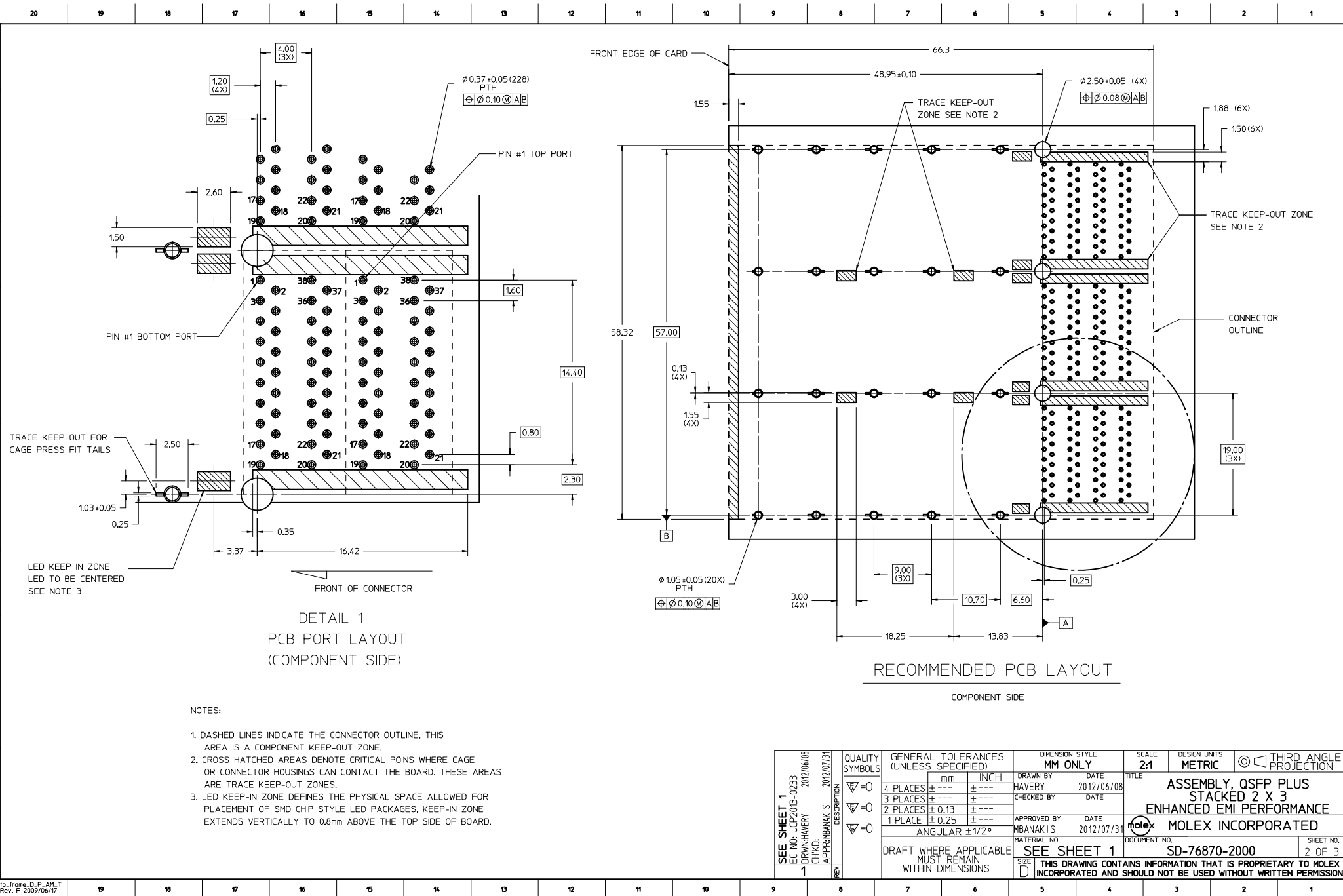
DATE CODE
LOCATION
SEE NOTE 6



PART NUMBER
76870-0001/-0003
SHOWN

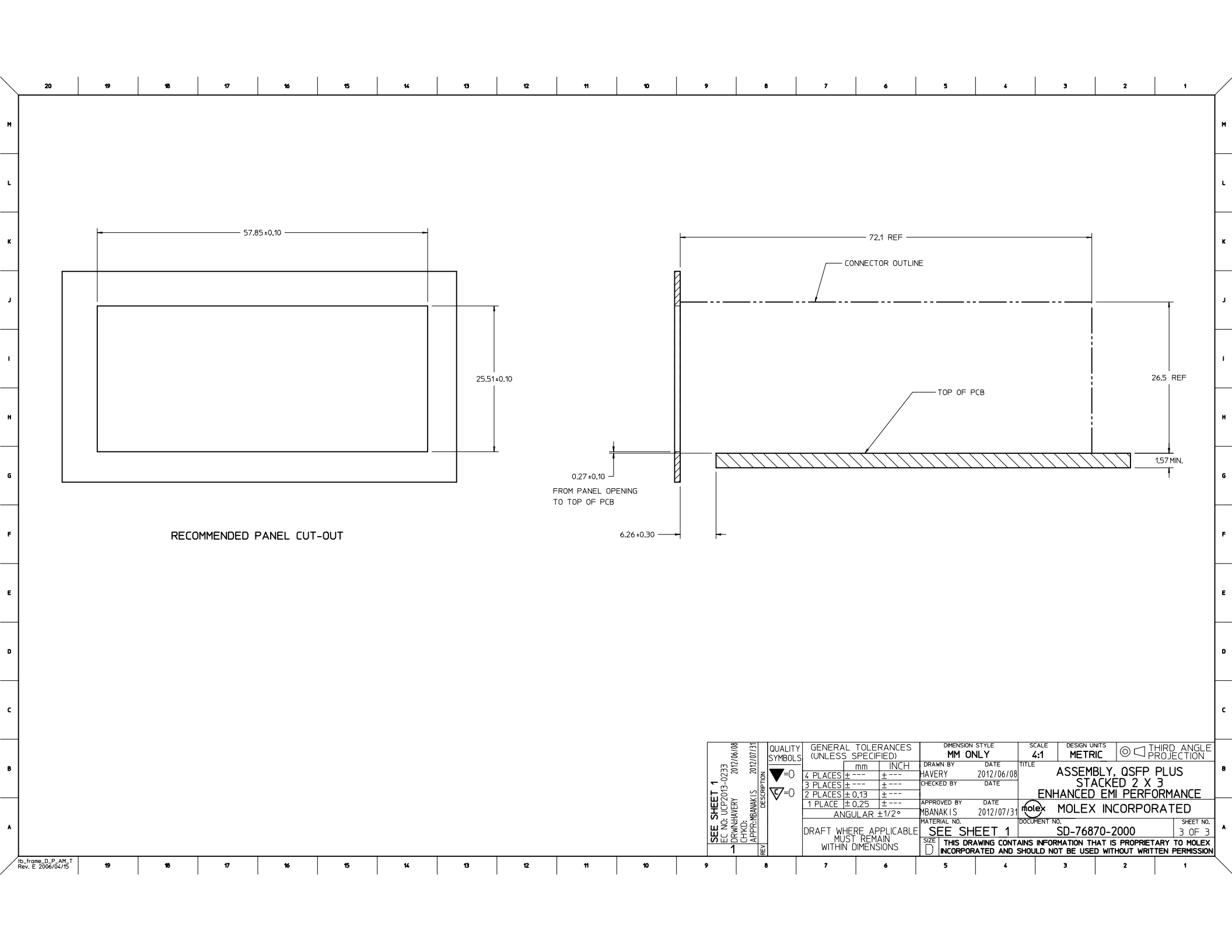


DEFINE LED KEEP-IN IEC NO: UCP2013-0233 DRAWN BY CHYO APPR: MBANKIS 2012/06/08 2012/07/31	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
		4 PLACES	±	mm	±	INCH	TITLE ASSEMBLY, QSFP PLUS STACKED 2 X 3 ENHANCED EMI PERFORMANCE			
		3 PLACES	±		±		MOLEX INCORPORATED			
		2 PLACES	±		±					
		1 PLACE	±	0.13	±					
			±	0.25	±					
				ANGULAR	±1/2°					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE CHART		DOCUMENT NO. SD-76870-2000		SHEET NO. 1 OF 3	
					SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



- NOTES:
- DASHED LINES INDICATE THE CONNECTOR OUTLINE, THIS AREA IS A COMPONENT KEEP-OUT ZONE.
 - CROSS HATCHED AREAS DENOTE CRITICAL POINTS WHERE CAGE OR CONNECTOR HOUSINGS CAN CONTACT THE BOARD. THESE AREAS ARE TRACE KEEP-OUT ZONES.
 - LED KEEP-IN ZONE DEFINES THE PHYSICAL SPACE ALLOWED FOR PLACEMENT OF SMD CHIP STYLE LED PACKAGES. KEEP-IN ZONE EXTENDS VERTICALLY TO 0.8mm ABOVE THE TOP SIDE OF BOARD.

SEE SHEET 1 EC NO: UCP2013-0233 DRAWN BY: CHYK APPROVED BY: MBANKI S	DESCRIPTION 2012/07/31	QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
						MM ONLY		2:1		METRIC			
		▽=0		mm		DRAWN BY		DATE		ASSEMBLY, QSFP PLUS STACKED 2 X 3 ENHANCED EMI PERFORMANCE MOLEX INCORPORATED			
		▽=0		4 PLACES ±---		HAVERY		2012/06/08					
		▽=0		3 PLACES ±---		CHECKED BY		DATE					
				2 PLACES ±0.13		APPROVED BY		DATE		MOLEX INCORPORATED			
				1 PLACE ±0.25		MBANAKI S		2012/07/31					
				ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		SD-76870-2000			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



RECOMMENDED PANEL CUT-OUT

SEE SHEET 1 EC NO. UCP2013-0233 DRAWN BY CHYO: APPR:MBANKIS REV 1	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		4 PLACES ±	---	mm	DRAWN BY HAVERY	DATE 2012/06/08	TITLE ASSEMBLY, QSFP PLUS STACKED 2 X 3 ENHANCED EMI PERFORMANCE MOLEX INCORPORATED	
		3 PLACES ±	---	---	CHECKED BY	DATE		
		2 PLACES ±	0.13	---	APPROVED BY MBANKIS	DATE 2012/07/31		
		1 PLACE ±	0.25	---	MATERIAL NO.		DOCUMENT NO. SD-76870-2000 SHEET NO. 3 OF 3	
		ANGULAR ±1/2°		SEE SHEET 1				
		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			