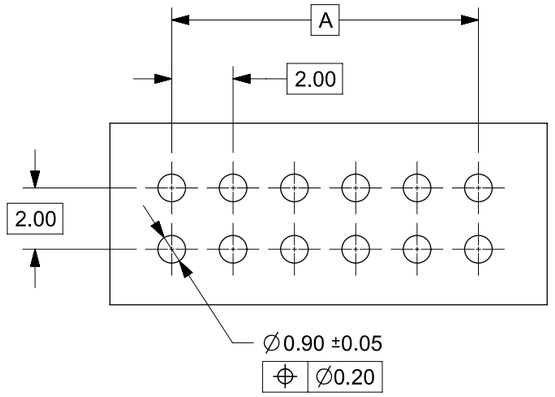
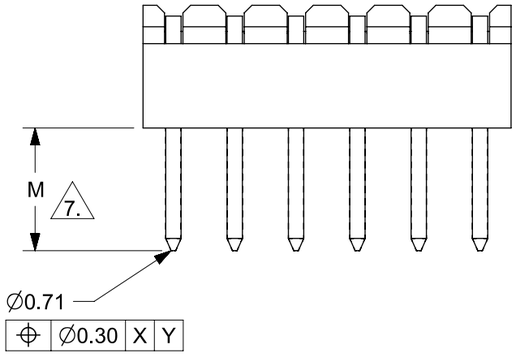
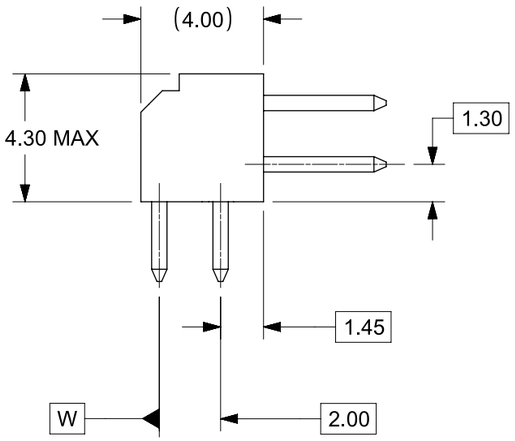
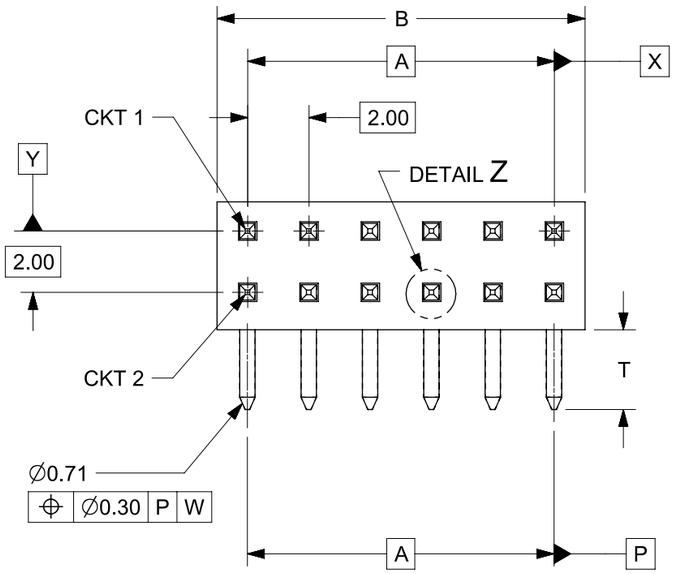
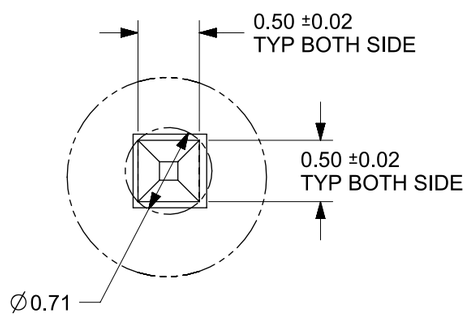


RECOMMENDED PCB LAYOUT









DETAIL Z

NOTES:
1. MATERIAL:
   HSG: PCT, 30% GLASS FILLED, UL 94V-0,
   COLOUR BLACK.
   PIN: 0.50MM SQ PHOSPHOR BRONZE 510
2. PLATING:
   ***5 - 0.05µm MIN - 0.25µm MAX GOLD IN CONTACT AREA,
   2.00µm MIN TIN IN SOLDERTAIL AREA, BOTH OVER
   1.25µm MIN NICKEL OVERALL

   ***6 - 0.38µm MIN GOLD IN CONTACT AREA,
   2.00µm MIN TIN IN SOLDERTAIL AREA, BOTH OVER
   1.25µm MIN NICKEL OVERALL

   ***7 - 0.76µm MIN GOLD IN CONTACT AREA,
   2.00µm MIN TIN IN SOLDERTAIL AREA, BOTH OVER
   1.25µm MIN NICKEL OVERALL

   ***8 - 2.54µm MIN TIN OVER
   1.25µm MIN NICKEL OVERALL
3. 12 CKT USED FOR ILLUSTRATION ONLY
4. PART TO BE PACKED IN POCKET TRAY/TUBE (SEE TABLE).
5. PRODUCT SPEC PS-87761-100 APPLIES.
6. RECOMMENDED PCB BOARD THK 1.60±0.10 MM.
7. MATING LENGTH: 1 - 4.00MM
   2 - 3.50MM
   3 - 3.06MM
   4 - 5.75MM
8. PART NUMBERS THAT ARE UNAVAILABLE IN THIS SD:
   87760-0646, 87760-1046, 87760-1446, 87760-2446, 87760-4046.
   (REFER TO SD-87760-133 FOR THESE PART NUMBERS)

LEGEND:

87760 - * * * *
- PLATING OPTION (SEE NOTE 2) 2.
- MATING OPTION 7.

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DIMENSION UNITS	SCALE
mm	NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	± 0.2	±
1 PLACE	±	±
0 PLACES	±	±
ANGULAR TOL	± 3.0 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 756033
DRWN: SUAIFR 2023/05/23
CHK'D: SUAIFR 2023/07/07
APPR: MRAMAKRISHNA 2023/07/10

INITIAL REVISION:
DRWN: KSEE 2003/10/15
APPR: SKTOH 2003/12/11

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 87760

molex

MGRID, 2MM DUAL ROW HDR.
R/A

PRODUCT CUSTOMER DRAWING

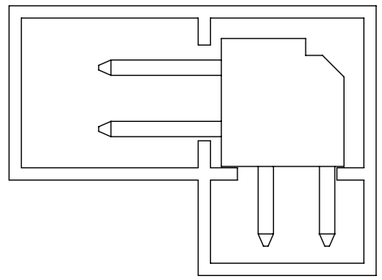
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-87760-109	PSD	001	A18

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	1 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2023/07/10 05:30:26

FORMAT: Mel4ega=master=tb=prod=A3
REVISION: D
DATE: 2017/10/06

PART NUMBER	VOID PIN LOCATION	CKT SIZE	A	B	M	T	PACKAGING TYPE
87760-04**	-	4	2.00	4.00	REFER TO NOTE 7.	2.60	TRAY
87760-06** 8	-	6	4.00	6.00			
87760-08**	-	8	6.00	8.00			
87760-10** 8	-	10	8.00	10.00			
87760-12** 8	-	12	10.00	12.00			
87760-14** 8	-	14	12.00	14.00			
87760-16**	-	16	14.00	16.00			
87760-18**	-	18	16.00	18.00			
87760-20**	-	20	18.00	20.00			
87760-22**	-	22	20.00	22.00			
87760-24** 8	-	24	22.00	24.00			
87760-26**	-	26	24.00	26.00			
87760-28**	-	28	26.00	28.00			
87760-30**	-	30	28.00	30.00			
87760-32**	-	32	30.00	32.00			
87760-34**	-	34	32.00	34.00			
87760-36**	-	36	34.00	36.00			
87760-38**	-	38	36.00	38.00			
87760-40** 8	-	40	38.00	40.00			
87760-42**	-	42	40.00	42.00			
87760-44**	-	44	42.00	44.00			
87760-46**	-	46	44.00	46.00			
87760-48**	-	48	46.00	48.00			
87760-50**	-	50	48.00	50.00			



PART IN TUBE

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DIMENSION UNITS	SCALE
mm	NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	± 0.2	±
1 PLACE	±	±
0 PLACES	±	±
ANGULAR TOL	± 3,0 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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CHK'D: SUAIFR 2023/07/07
APPR: MRAMAKRISHNA 2023/07/10

INITIAL REVISION:
DRWN: KSEE 2003/10/15
APPR: SKTOH 2003/12/11

molex

MGRID, 2MM DUAL ROW HDR.
R/A

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-87760-109	PSD	001	A18

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	87760	SEE TABLE	GENERAL MARKET	2 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2023/07/10 05:30:26

FORMAT: Mel4ega+master+tb+prod+A3
REVISION: D
DATE: 2017/10/06

PART NUMBER	VOID PIN LOCATION	CKT SIZE	A	B	M	T	PACKAGING TYPE
87760-5116	5, 6 & 26	50	48.00	50.00	REFER TO NOTE △7.	2.60	TUBE
87760-531*	-	24	22.00	24.00		1.50	TRAY
87760-5216	-	04	2.00	4.00		2.60	TUBE
87760-5416	-	20	18.00	20.00			
87760-5248	-	28	26.00	28.00			
87760-5516	5, 6, 7, 8, 9, 10, 15, 16, 17, 18, 19, 20, 25, 26, 27, 28, 29, 30	34	32.00	34.00			
87760-0856	-	08	6.00	8.00	2.60	2.10	TRAY

A18

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DIMENSION UNITS	SCALE
mm	NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	± 0.2	±
1 PLACE	±	±
0 PLACES	±	±
ANGULAR TOL	± 3.0 °	

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THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 87760

molex

MGRID, 2MM DUAL ROW HDR.
R/A

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-87760-109	PSD	001	A18

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	3 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2023/07/10 05:30:26

FORMAT: MeHega=master=B=prod=A3
REVISION: D
DATE: 2017/10/06