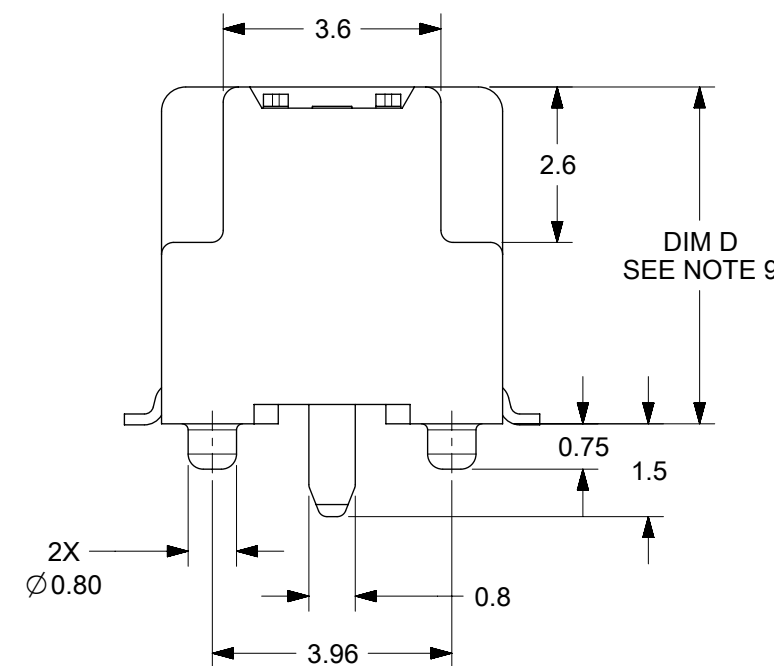
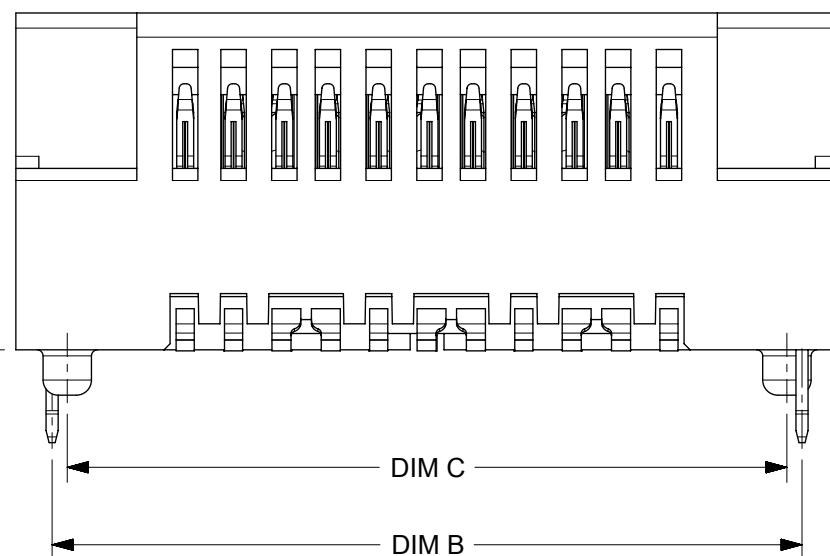
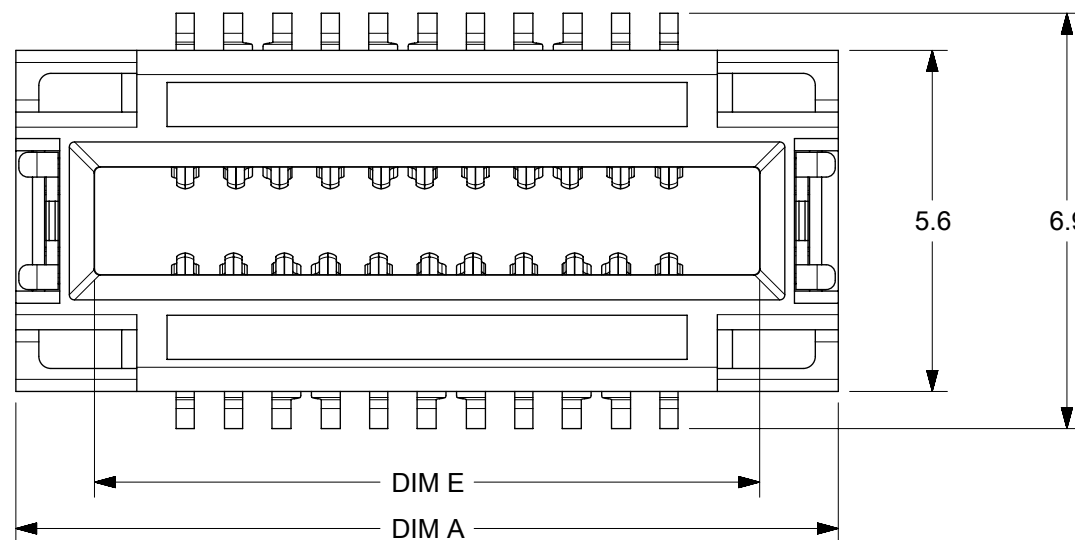


PART NUMBER	CKT SIZE	DIFF PAIRS	SPARE CKTS	DIM A	DIM B	DIM C	DIM E	DIM D
173300-0102	22	6	2	13.6	12.40	11.90	11.0	5.60
173300-0106	60	16	8	28.8	27.60	27.10	26.2	5.60
173300-0114	82	22	10	41.6	40.40	39.90	11.0/26.2	5.60



0.10  
TAIL COPLANARITY

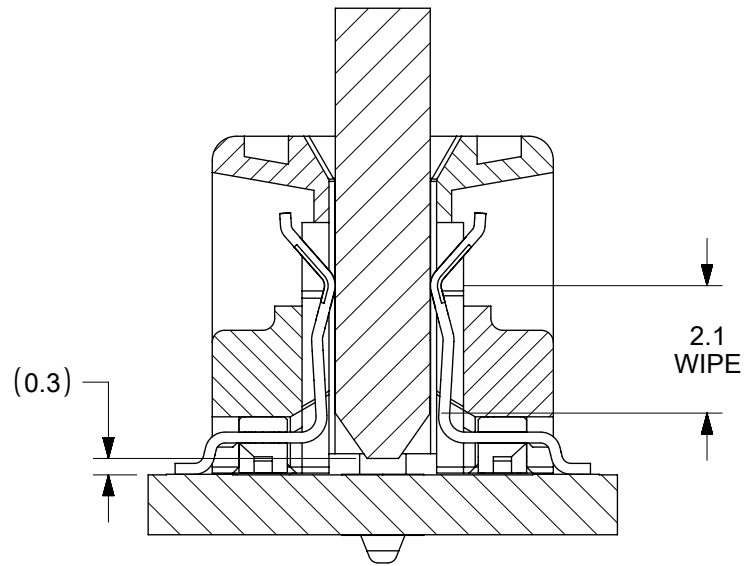
NOTES:

- MATERIAL:  
HOUSING: LCP, UL94V-0, BLACK  
CONTACTS: HIGH PERFORMANCE COPPER ALLOY
- FINISH: 0.76 µm MIN SELECT GOLD IN CONTACT AREA.  
SELECT MATTE TIN IN TAIL AREA, OVERALL NICKEL.
- PRODUCT SPECIFICATION: PS-173300-0001
- PACKAGING SPECIFICATION: PK-70873-6002
- MATES WITH SPEEDSTACK PLUGS: SERIES 173305
- APPLICATION SPECIFICATION: AS-173300-9999
- COSMETIC SPECIFICATION: PS-45499-002 CLASS B
- PART STATUS: CONTACT MOLEX
- 5.6 DIM ON THIS DRAWING PLUS DIM D ON DRAWING #SD-173305-0100 EQUALS THE SYSTEM MATED STACK HEIGHT
- PARTS SHIPPED WITH PICK AND PLACE COVERS.

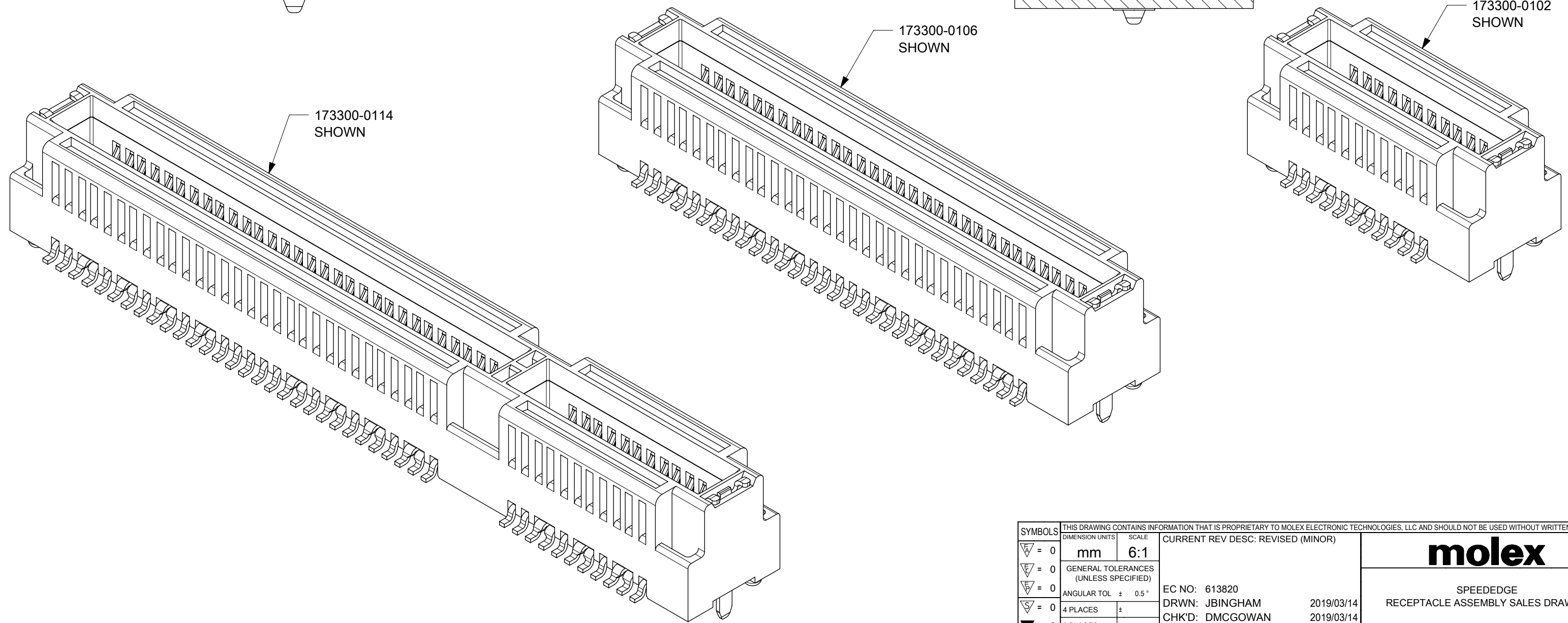
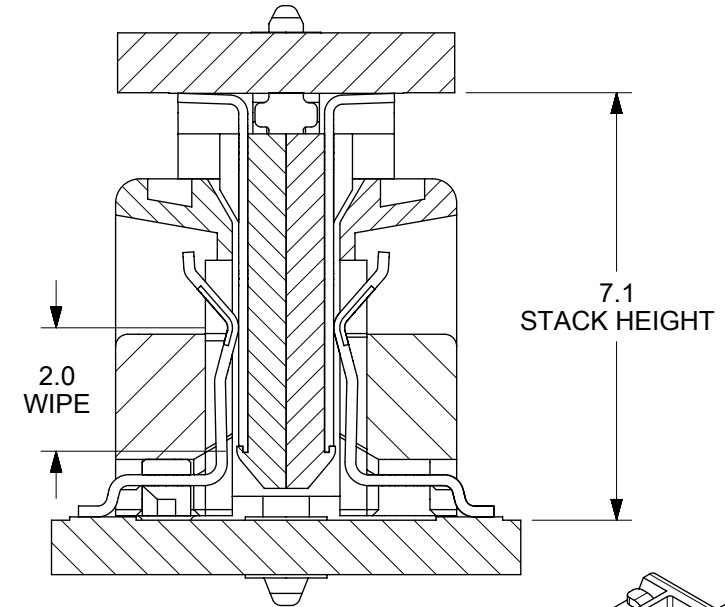
SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
DIMENSION UNITS	SCALE	CURRENT REV DESC: REVISED (MINOR)	
mm	8:1	<b>molex</b> SPEEDEDGE RECEPTACLE ASSEMBLY SALES DRAWING PRODUCT CUSTOMER DRAWING	
GENERAL TOLERANCES (UNLESS SPECIFIED)			
ANGULAR TOL	± 0.5°		
4 PLACES	±		
3 PLACES	±		
2 PLACES	± 0.13	EC NO: 613820 DRWN: JBINGHAM 2019/03/14 CHK'D: DMCGOWAN 2019/03/14 APPR: DMCGOWAN 2019/03/14	
1 PLACE	± 0.25	INITIAL REVISION: DRWN: JBINGHAM 2015/08/14 APPR: JBINGHAM 2016/02/23	
0 PLACES	±	DOCUMENT NUMBER: SD-173300-0100 DOC TYPE: PSD DOC PART: 001 REVISION: A2	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING: B-SIZE	SHEET NUMBER: 1 OF 8
		SERIES: 173300	CUSTOMER: GENERAL MARKET

DOCUMENT STATUS	P1	RELEASE DATE	2019/03/14	22:33:08
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EDGE CARD APPLICATION



MEZZANINE APPLICATION



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
<b>SYMBOLS</b> ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0	DIMENSION UNITS	SCALE	CURRENT REV DESC: REVISED (MINOR)							
	mm	6:1	EC NO: 613820 DRWN: JBINGHAM 2019/03/14 CHK'D: DMCGOWAN 2019/03/14 APPR: DMCGOWAN 2019/03/14							
	GENERAL TOLERANCES (UNLESS SPECIFIED)									
	ANGULAR TOL ± 0.5°		4 PLACES ±		3 PLACES ±		2 PLACES ± 0.13		1 PLACE ± 0.25	
	0 PLACES ±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
					⊕	B-SIZE	173300		GENERAL MARKET	2 OF 8

**molex**

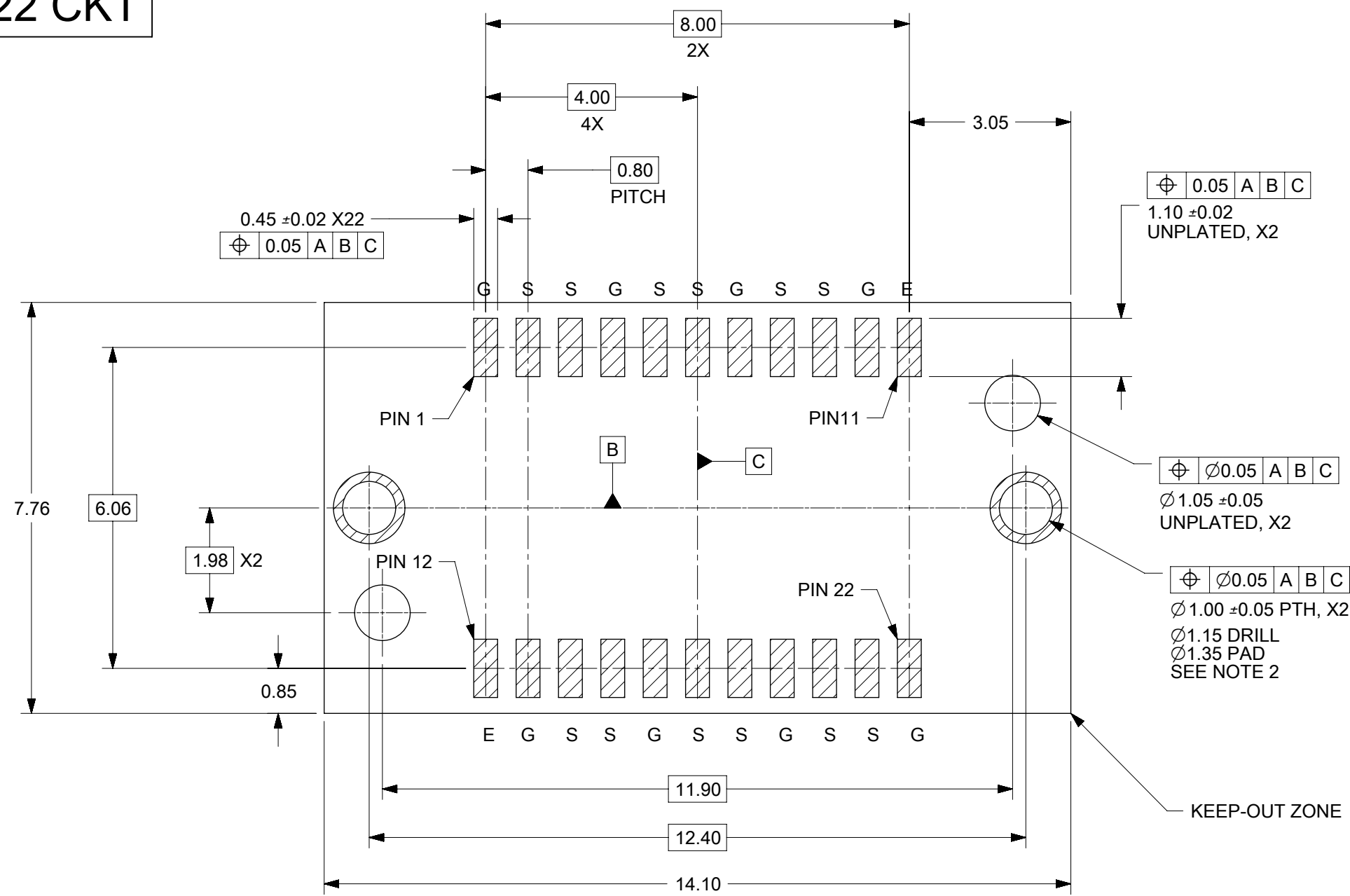
SPEEDEDGE  
RECEPTACLE ASSEMBLY SALES DRAWING

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-173300-0100	PSD	001	A2

# PCB LAYOUT - 22 CKT

PINOUT LEGEND	
E	= EXTRA
G	= GROUND
S	= SIGNAL



0.45 ±0.02 X22  
 $\phi$  0.05 A B C

$\phi$  0.05 A B C  
 1.10 ±0.02 UNPLATED, X2

$\phi$   $\phi$ 0.05 A B C  
 $\phi$  1.05 ±0.05 UNPLATED, X2

$\phi$   $\phi$ 0.05 A B C  
 $\phi$  1.00 ±0.05 PTH, X2  
 $\phi$  1.15 DRILL  
 $\phi$  1.35 PAD  
 SEE NOTE 2

**PCB LAYOUT (COMPONENT SIDE)**  
 SOLDER PASTE THICKNESS: 0.15 MIN  
 DATUM **A** IS THE BOTTOM SURFACE OF THE PCB

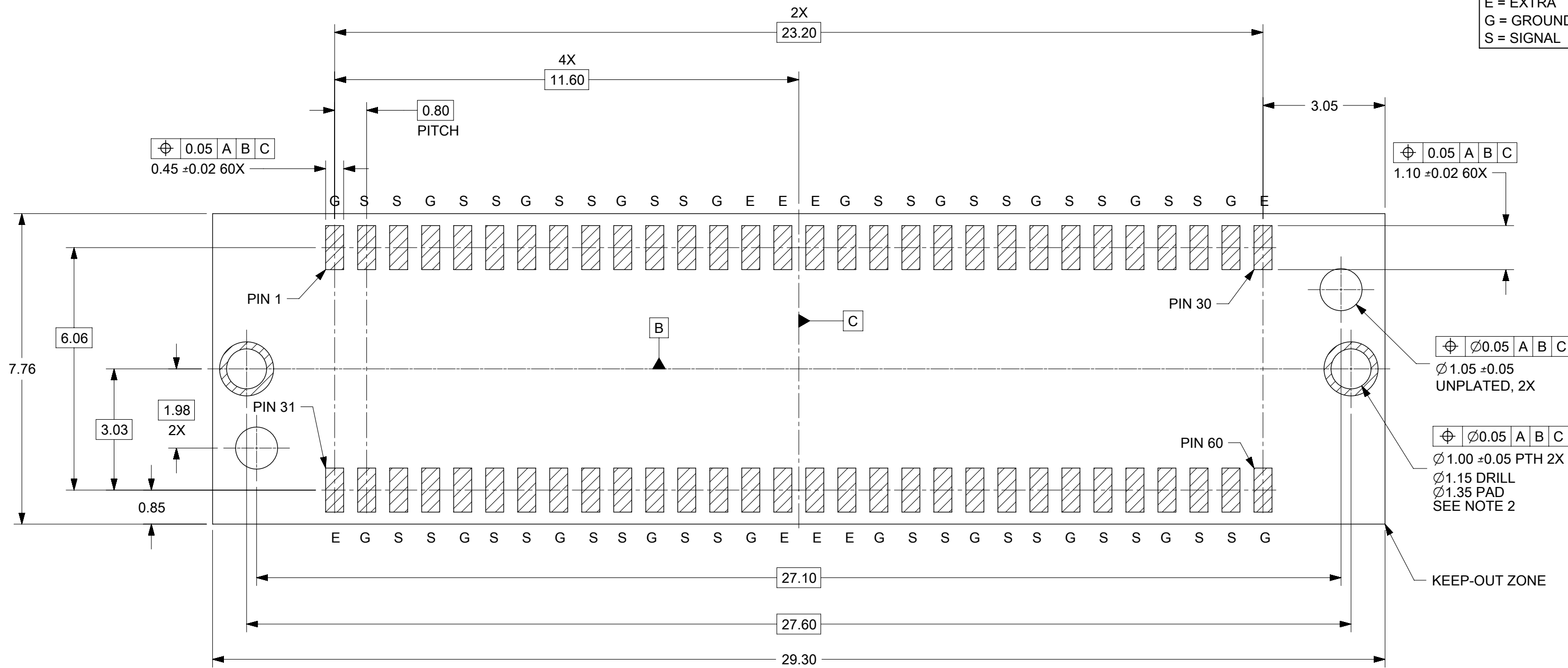
- NOTES:  
 1. PIN NUMBERING IS FOR REFERENCE ONLY. OTHER PIN NUMBERS WILL NOT AFFECT THE OPERATION OF THE CONNECTOR.  
 2. RETENTION NAIL MUST BE SOLDERED ONTO THE PCB FOR PROPER CONNECTOR FUNCTION.

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
DIMENSION UNITS	SCALE	CURRENT REV DESC: REVISED (MINOR)	
$\nabla$ = 0	mm	10:1	<b>molex</b> SPEEDEDGE RECEPTACLE ASSEMBLY SALES DRAWING PRODUCT CUSTOMER DRAWING
$\nabla$ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		
$\nabla$ = 0	ANGULAR TOL ± 0.5°		
$\nabla$ = 0	4 PLACES ±		
$\nabla$ = 0	3 PLACES ±		EC NO: 613820 DRWN: JBINGHAM 2019/03/14 CHK'D: DMCGOWAN 2019/03/14 APPR: DMCGOWAN 2019/03/14
$\nabla$ = 0	2 PLACES ± 0.13		
$\nabla$ = 0	1 PLACE ± 0.25		
$\nabla$ = 0	0 PLACES ±		
$\nabla$ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		INITIAL REVISION: DRWN: JBINGHAM 2015/08/14 APPR: JBINGHAM 2016/02/23
THIRD ANGLE PROJECTION		DRAWING	SERIES
		B-SIZE	173300
DOCUMENT NUMBER		CUSTOMER	SHEET NUMBER
SD-173300-0100		GENERAL MARKET	3 OF 8

DOCUMENT STATUS	P1	RELEASE DATE	2019/03/14	22:33:08
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# PCB LAYOUT - 60 CKT

PINOUT LEGEND		
E	= EXTRA	
G	= GROUND	
S	= SIGNAL	



**PCB LAYOUT (COMPONENT SIDE)**  
 SOLDER PASTE THICKNESS: 0.15 MIN  
 DATUM **A** IS THE BOTTOM SURFACE OF THE PCB

- NOTES:**
- PIN NUMBERING IS FOR REFERENCE ONLY. OTHER PIN NUMBERS WILL NOT AFFECT THE OPERATION OF THE CONNECTOR.
  - RETENTION NAIL MUST BE SOLDERED ONTO THE PCB FOR PROPER CONNECTOR FUNCTION.

<b>SYMBOLS</b> ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
	DIMENSION UNITS	SCALE
	mm	10:1
	GENERAL TOLERANCES (UNLESS SPECIFIED)	
	ANGULAR TOL	± 0.5°
4 PLACES	±	
3 PLACES	±	
2 PLACES	± 0.13	
1 PLACE	± 0.25	
0 PLACES	±	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	
	DRAWING	SERIES
	B-SIZE	173300

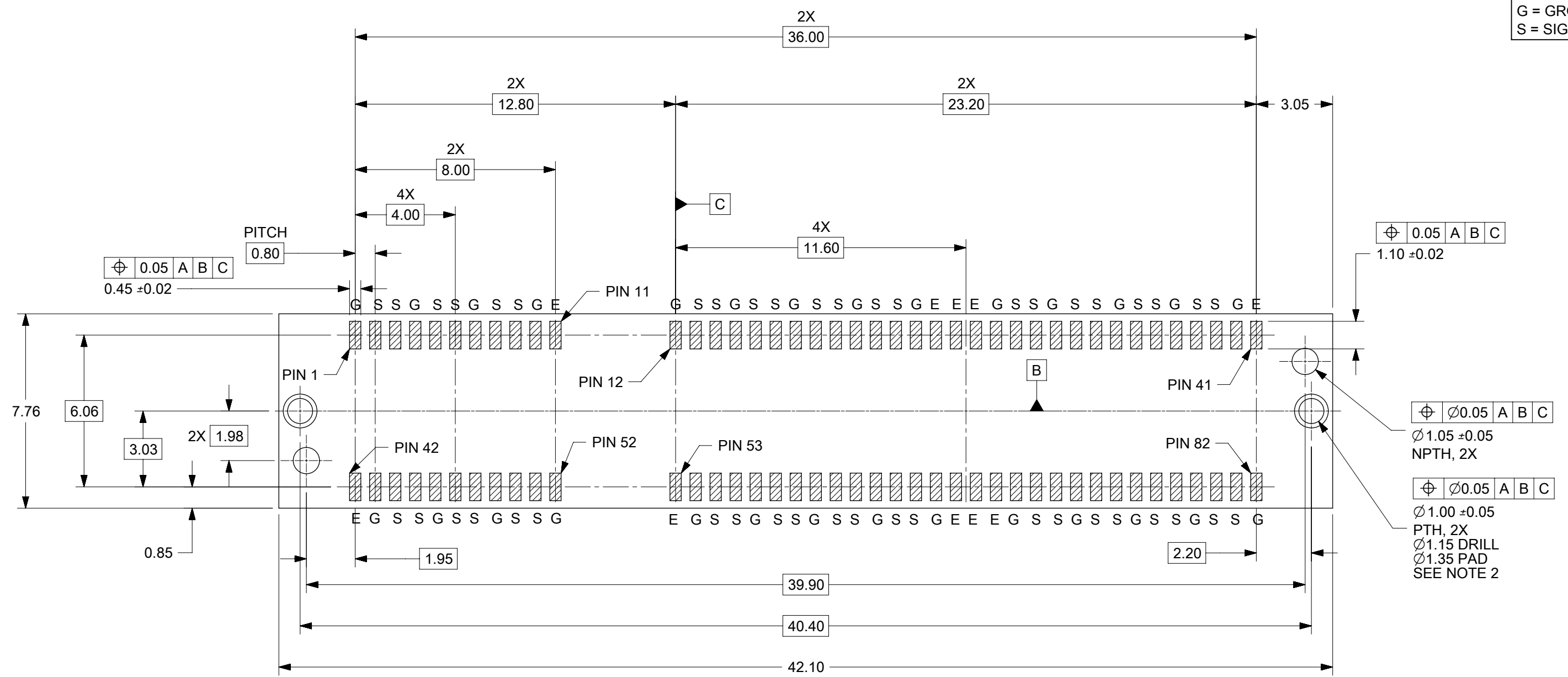
CURRENT REV DESC: REVISED (MINOR)		
EC NO: 613820		
DRWN: JBINGHAM	2019/03/14	
CHK'D: DMCGOWAN	2019/03/14	
APPR: DMCGOWAN	2019/03/14	
INITIAL REVISION:		
DRWN: JBINGHAM	2015/08/14	
APPR: JBINGHAM	2016/02/23	

<b>molex</b>		
SPEEDEDGE RECEPTACLE ASSEMBLY SALES DRAWING		
PRODUCT CUSTOMER DRAWING		
DOCUMENT NUMBER	DOC TYPE	DOC PART
SD-173300-0100	PSD	001
REVISION	A2	
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	4 OF 8

DOCUMENT STATUS | P1 | RELEASE DATE | 2019/03/14 22:33:08

# PCB LAYOUT - 82 CKT

**PINOUT LEGEND**  
 E = EXTRA  
 G = GROUND  
 S = SIGNAL



**PCB LAYOUT (COMPONENT SIDE)**  
 SOLDER PASTE THICKNESS: 0.15 MIN  
 DATUM **A** IS THE BOTTOM SURFACE OF THE PCB

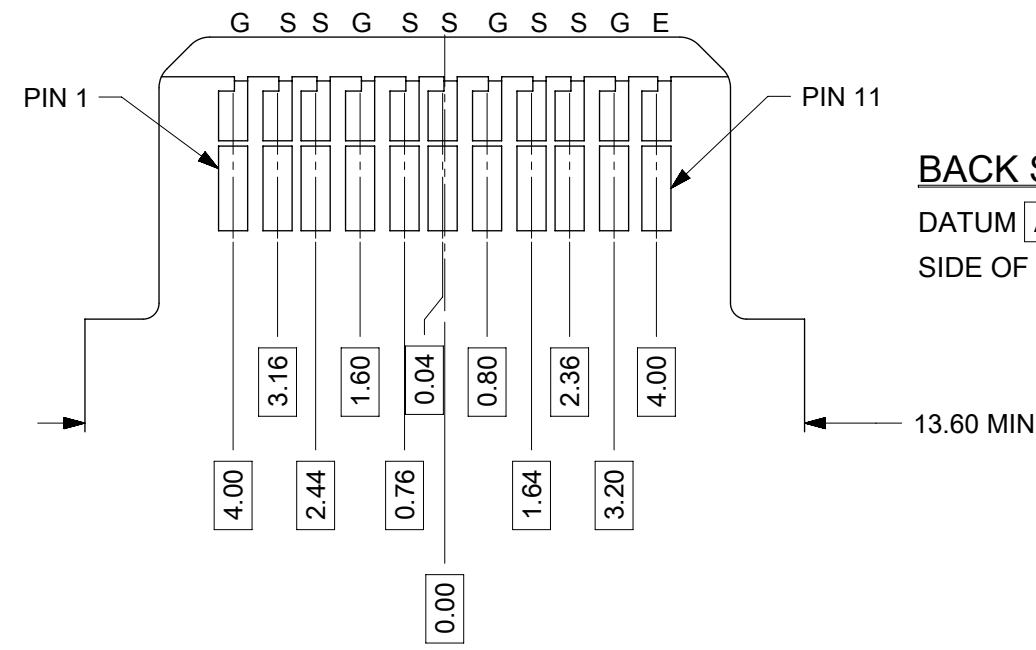
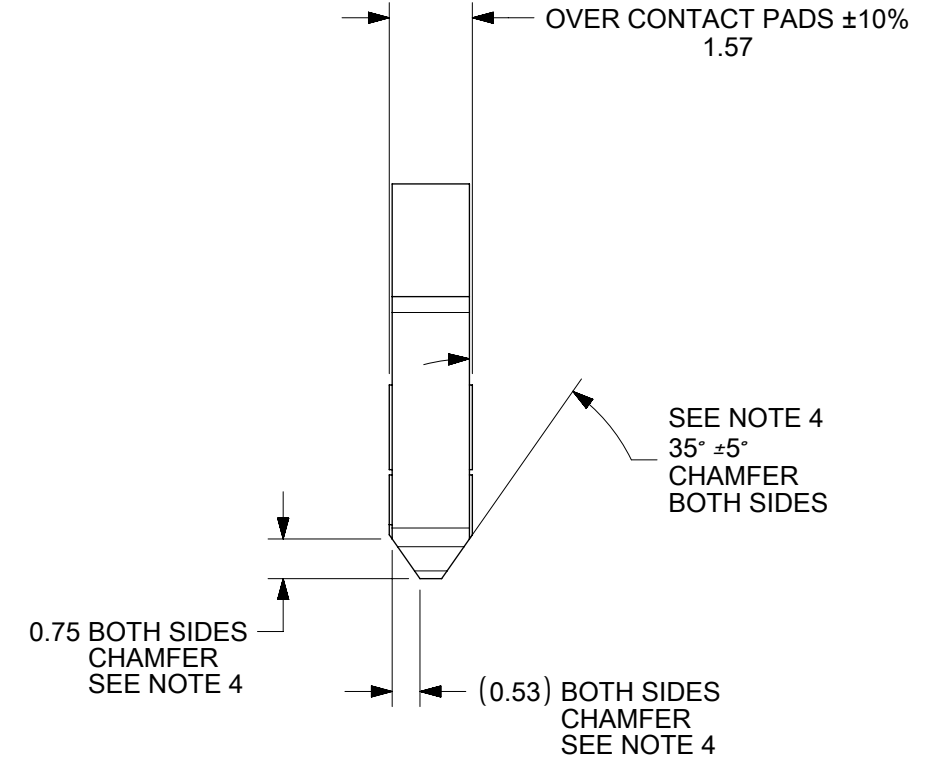
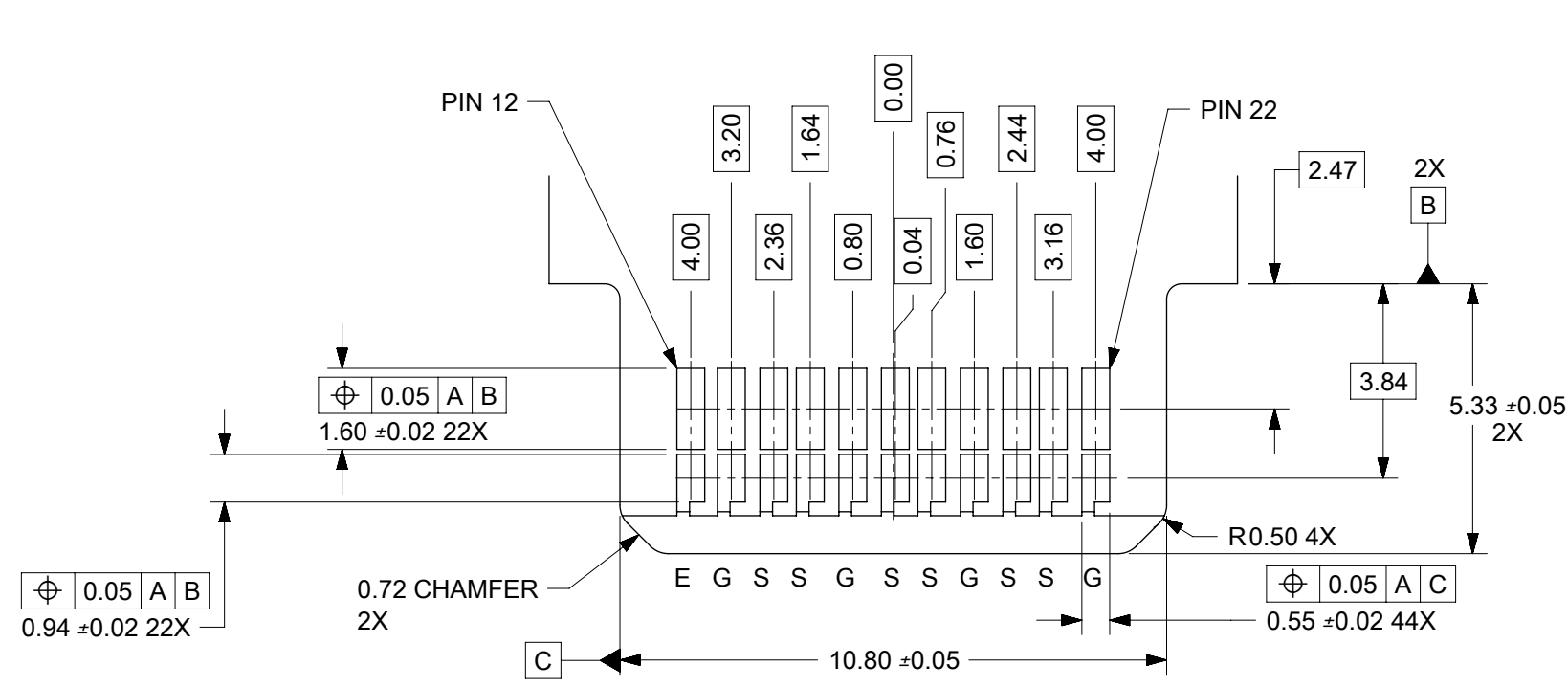
- NOTES:**
- PIN NUMBERING IS FOR REFERENCE ONLY. OTHER PIN NUMBERS WILL NOT AFFECT THE OPERATION OF THE CONNECTOR.
  - RETENTION NAIL MUST BE SOLDERED ONTO THE PCB FOR PROPER CONNECTOR FUNCTION.

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: REVISED (MINOR)					
	DIMENSION UNITS	SCALE						
▽ = 0	mm	6:1	DRWN: JBINGHAM	2019/03/14	RECEPTACLE ASSEMBLY SALES DRAWING			
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		CHK'D: DMCGOWAN	2019/03/14	PRODUCT CUSTOMER DRAWING			
▽ = 0	ANGULAR TOL ± 0.5°		APPR: DMCGOWAN	2019/03/14	DOCUMENT NUMBER			
▽ = 0	4 PLACES ±		INITIAL REVISION:		SD-173300-0100			
▽ = 0	3 PLACES ±		DRWN: JBINGHAM		2015/08/14	DOC TYPE	DOC PART	REVISION
▽ = 0	2 PLACES ± 0.13		APPR: JBINGHAM		2016/02/23	PSD	001	A2
▽ = 0	1 PLACE ± 0.25		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
▽ = 0	0 PLACES ±		THIRD ANGLE PROJECTION		B-SIZE		173300	
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING		SERIES		GENERAL MARKET	
▽ = 0							5 OF 8	

# EDGE CARD LAYOUT - 22 CKT

## FRONT SIDE

DATUM **A** IS THE OPPOSITE SIDE OF THE PCB



## BACK SIDE

DATUM **A** IS THE OPPOSITE SIDE OF THE PCB

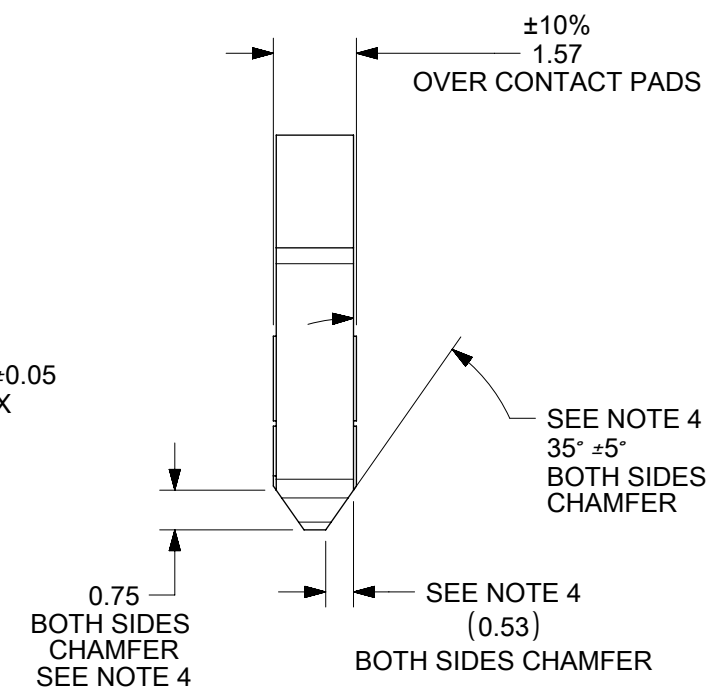
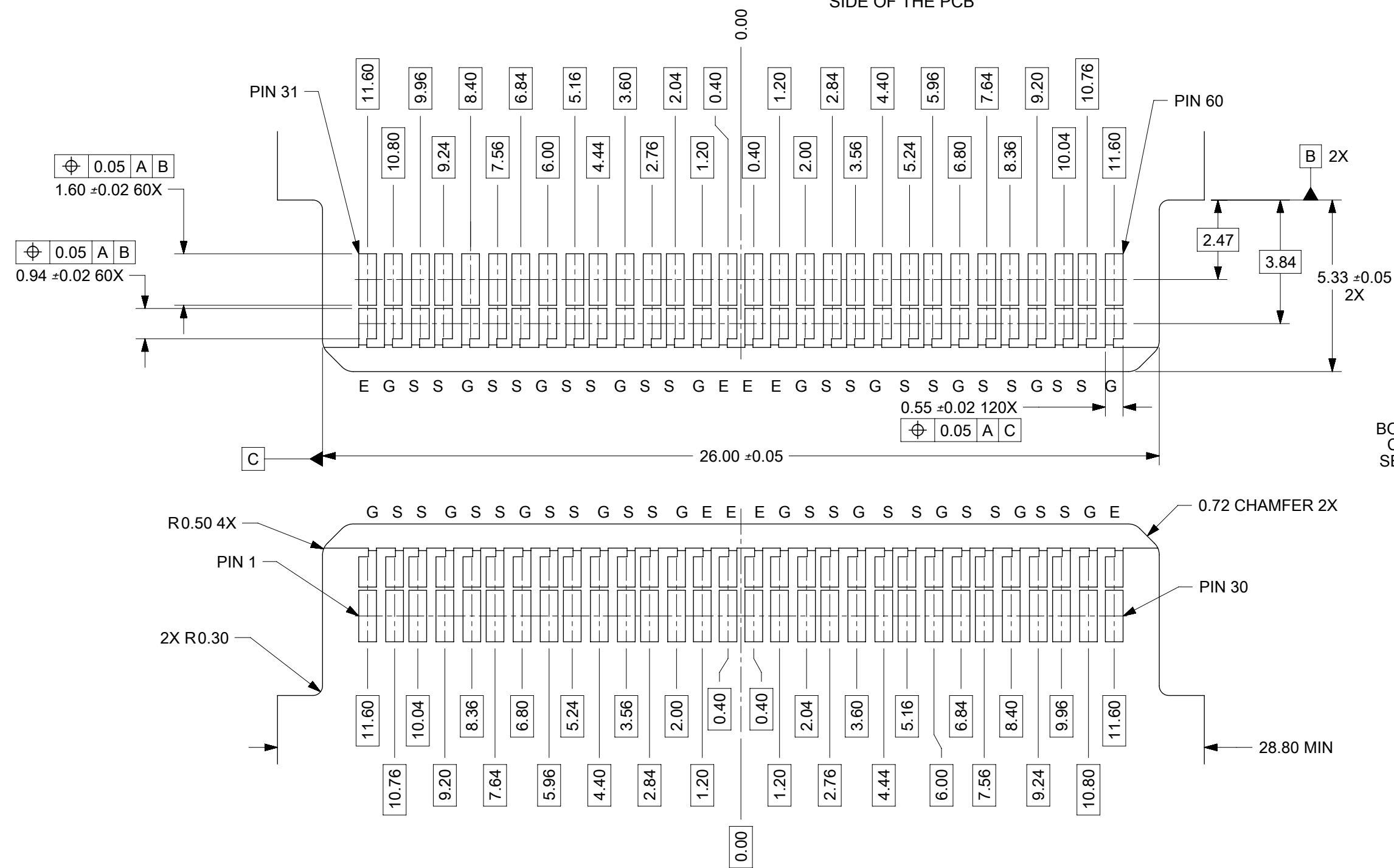
- PIN NUMBERING FOR REFERENCE ONLY. OTHER PIN NUMBERS WILL NOT AFFECT THE OPERATION OF THE CONNECTOR.
- EDGE CARD SHOULDERS STOP ON RECEPTACLE SHOULDERS. EDGE CARD BOTTOM DOES NOT CONTACT RECEPTACLE PCB.
- PAD SET BACK FROM CHAMFER ENOUGH TO ACCOMODATE LARGEST CHAMFER WITHOUT DAMAGE TO PAD EDGE.
- CHAMFER DEPTH SHOULD BE AS LARGE AS PRACTICAL TO ENSURE CORRECT MATING TO THE RECEPTACLE.
- ALL CHAMFERED EDGES SHOULD BE ROUNDED WHERE POSSIBLE.
- INTERNAL PLATING BRIDGES ARE PREFERRED TO ELIMINATE PAD STUB.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
SYMBOLS		DIMENSION UNITS	SCALE	CURRENT REV DESC: REVISED (MINOR)										
▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0		mm	7:1	EC NO: 613820 DRWN: JBINGHAM 2019/03/14 CHK'D: DMCGOWAN 2019/03/14 APPR: DMCGOWAN 2019/03/14								SPEEDEDGE RECEPTACLE ASSEMBLY SALES DRAWING		
▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0		GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 0.5° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.13 1 PLACE ± 0.25 0 PLACES ±			INITIAL REVISION: DRWN: JBINGHAM 2015/08/14 APPR: JBINGHAM 2016/02/23						PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER <b>SD-173300-0100</b>			
▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION 		DRAWING <b>B-SIZE</b>		SERIES <b>173300</b>		MATERIAL NUMBER CUSTOMER <b>GENERAL MARKET</b>		DOC TYPE DOC PART REVISION <b>PSD 001 A2</b>	
▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0		SHEET NUMBER <b>6 OF 8</b>												

# EDGECARD LAYOUT - 60 CKT

## FRONT SIDE

DATUM A IS THE OPPOSITE SIDE OF THE PCB



## BACK SIDE

DATUM A IS THE OPPOSITE SIDE OF THE PCB

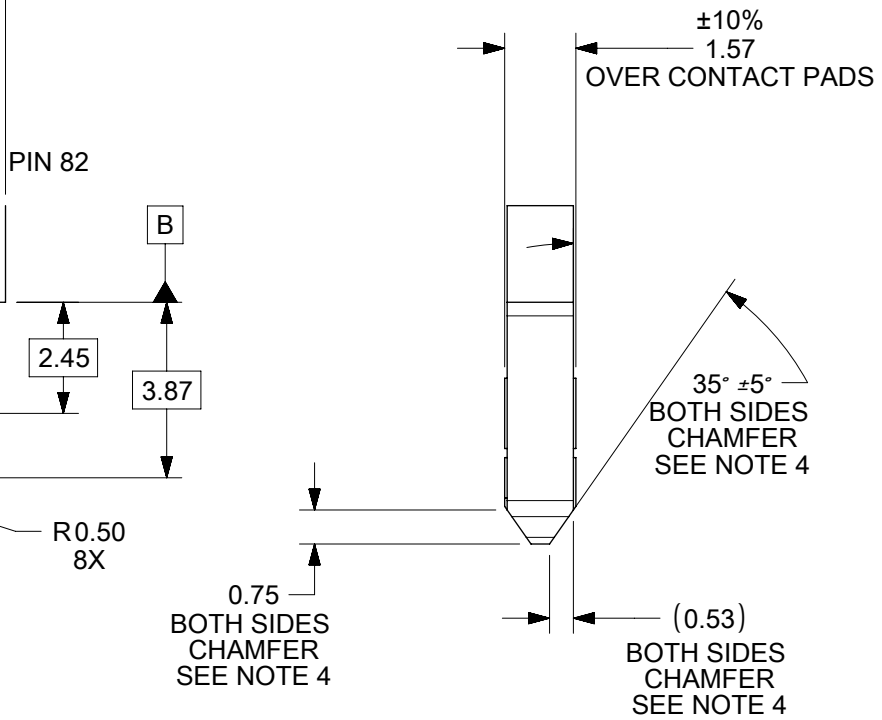
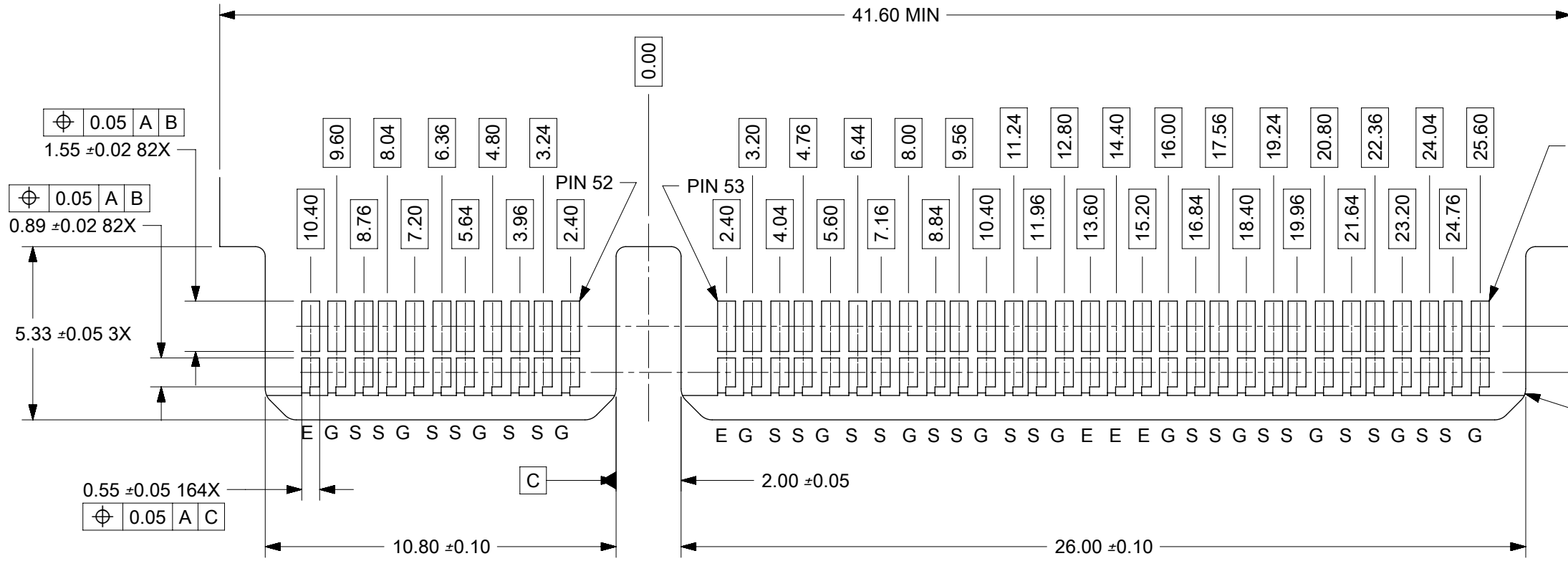
1. PIN NUMBERING FOR REFERENCE ONLY. OTHER PIN NUMBERS WILL NOT AFFECT THE OPERATION OF THE CONNECTOR.
2. EDGE CARD SHOULDERS STOP ON RECEPTACLE SHOULDERS. EDGE CARD BOTTOM DOES NOT CONTACT RECEPTACLE PCB.
3. PAD SET BACK FROM CHAMFER ENOUGH TO ACCOMODATE LARGEST CHAMFER WITHOUT DAMAGE TO PAD EDGE.
4. CHAMFER DEPTH SHOULD BE AS LARGE AS PRACTICAL TO ENSURE CORRECT MATING TO THE RECEPTACLE.
5. ALL CHAMFERED EDGES SHOULD BE ROUNDED WHERE POSSIBLE.
6. INTERNAL PLATING BRIDGES ARE PREFERRED TO ELIMINATE PAD STUB.

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
DIMENSION UNITS	SCALE	CURRENT REV DESC: REVISED (MINOR)		
= 0	mm	7:1	<b>molex</b> SPEEDEDGE RECEPTACLE ASSEMBLY SALES DRAWING PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: SD-173300-0100   DOC TYPE: PSD   DOC PART: 001   REVISION: A2 MATERIAL NUMBER: GENERAL MARKET   CUSTOMER: GENERAL MARKET   SHEET NUMBER: 7 OF 8	
= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			
= 0	ANGULAR TOL ± 0.5°			
= 0	4 PLACES ±			
= 0	3 PLACES ±			
= 0	2 PLACES ± 0.13			
= 0	1 PLACE ± 0.25		EC NO: 613820 DRWN: JBINGHAM 2019/03/14 CHK'D: DMCGOWAN 2019/03/14 APPR: DMCGOWAN 2019/03/14	
= 0	0 PLACES ±		INITIAL REVISION: DRWN: JBINGHAM 2015/08/14 APPR: JBINGHAM 2016/02/23	
= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION 
= 0	B-SIZE			SERIES: 173300 MATERIAL NUMBER: GENERAL MARKET CUSTOMER: GENERAL MARKET SHEET NUMBER: 7 OF 8

# EDGECARD LAYOUT - 82 CKT

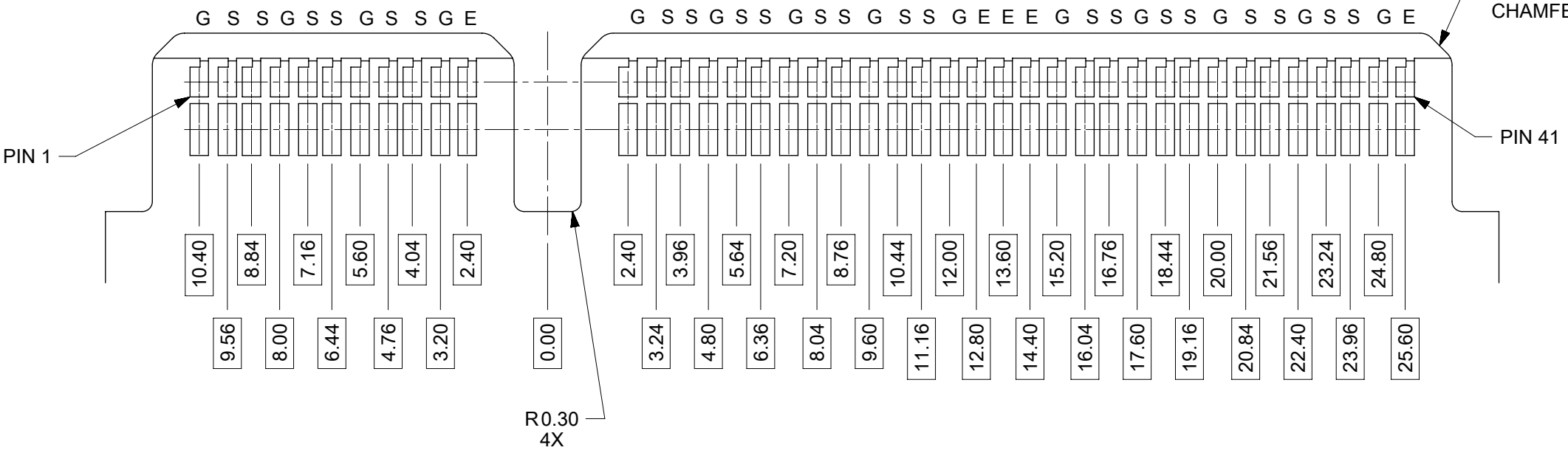
## FRONT SIDE

DATUM **A** IS THE OPPOSITE SIDE OF THE PCB



## BACK SIDE

DATUM **A** IS THE OPPOSITE SIDE OF THE PCB



- PIN NUMBERING FOR REFERENCE ONLY. OTHER PIN NUMBERS WILL NOT AFFECT THE OPERATION OF THE CONNECTOR.
- EDGE CARD SHOULDERS STOP ON RECEPTACLE SHOULDERS. EDGE CARD BOTTOM DOES NOT CONTACT RECEPTACLE PCB.
- PAD SET BACK FROM CHAMFER ENOUGH TO ACCOMODATE LARGEST CHAMFER WITHOUT DAMAGE TO PAD EDGE.
- CHAMFER DEPTH SHOULD BE AS LARGE AS PRACTICAL TO ENSURE CORRECT MATING TO THE RECEPTACLE.
- ALL CHAMFERED EDGES SHOULD BE ROUNDED WHERE POSSIBLE.
- INTERNAL PLATING BRIDGES ARE PREFERRED TO ELIMINATE PAD STUB.

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
	DIMENSION UNITS	SCALE	CURRENT REV DESC: REVISED (MINOR)
▽ = 0	mm	6:1	<b>molex</b> SPEEDEDGE RECEPTACLE ASSEMBLY SALES DRAWING
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		
▽ = 0	ANGULAR TOL ± 0.5°		EC NO: 613820 DRWN: JBININGHAM 2019/03/14 CHK'D: DMCGOWAN 2019/03/14 APPR: DMCGOWAN 2019/03/14
▽ = 0	4 PLACES ±		
▽ = 0	3 PLACES ±		PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: SD-173300-0100 DOC TYPE: PSD DOC PART: 001 REVISION: A2
▽ = 0	2 PLACES ± 0.13		
▽ = 0	1 PLACE ± 0.25		INITIAL REVISION: DRWN: JBININGHAM 2015/08/14 APPR: JBININGHAM 2016/02/23
▽ = 0	0 PLACES ±		
■ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NUMBER: 173300 CUSTOMER: GENERAL MARKET SHEET NUMBER: 8 OF 8
▽ = 0	THIRD ANGLE PROJECTION	DRAWING: B-SIZE	