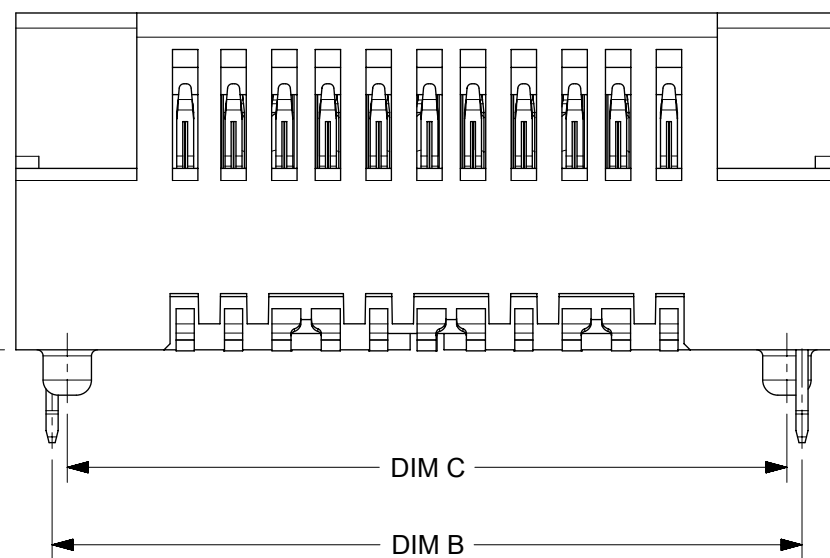
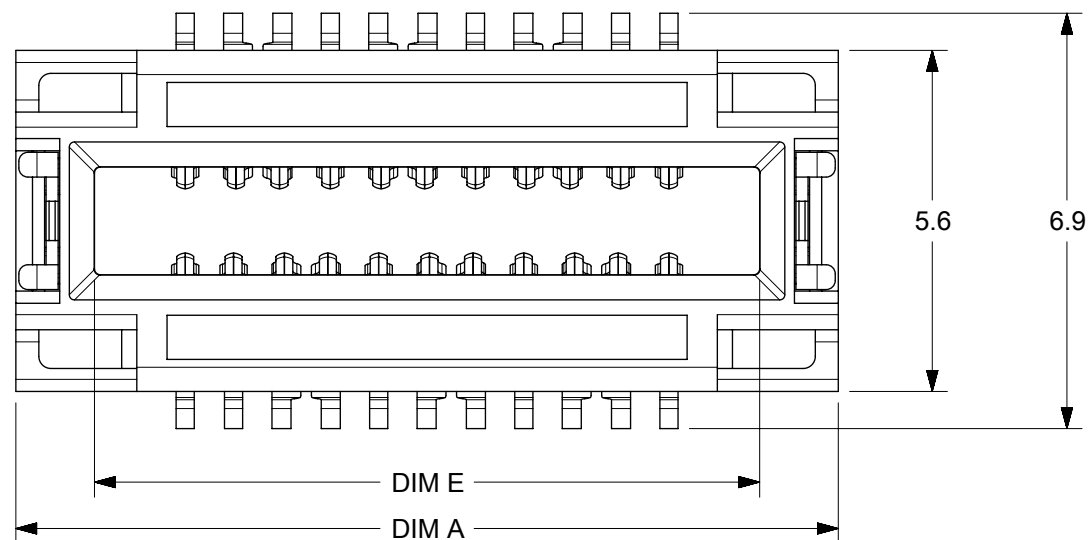
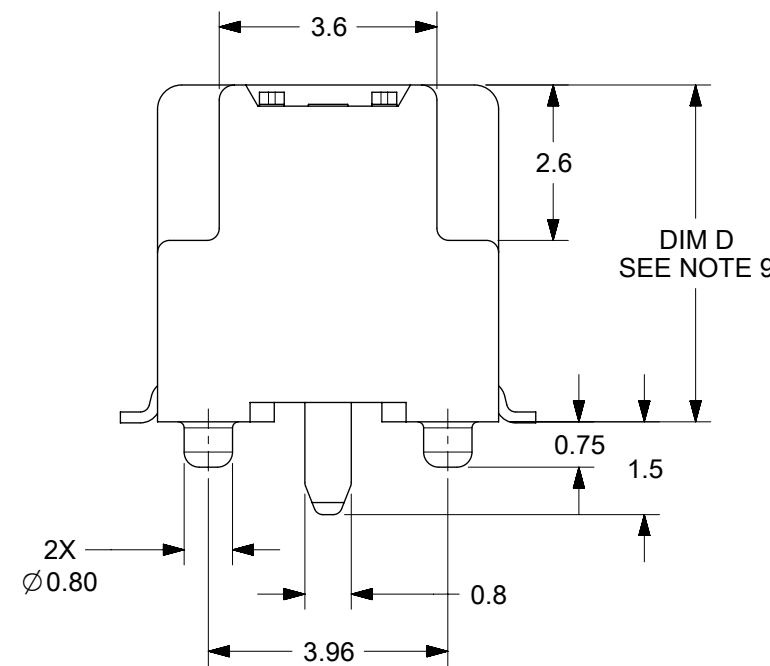


| PART NUMBER | CKT SIZE | DIFF PAIRS | SPARE CKTS | DIM A | DIM B | DIM C | DIM E | DIM D |
|-------------|----------|------------|------------|-------|-------|-------|-----------|-------|
| 173300-0102 | 22 | 6 | 2 | 13.6 | 12.40 | 11.90 | 11.0 | 5.60 |
| 173300-0106 | 60 | 16 | 8 | 28.8 | 27.60 | 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



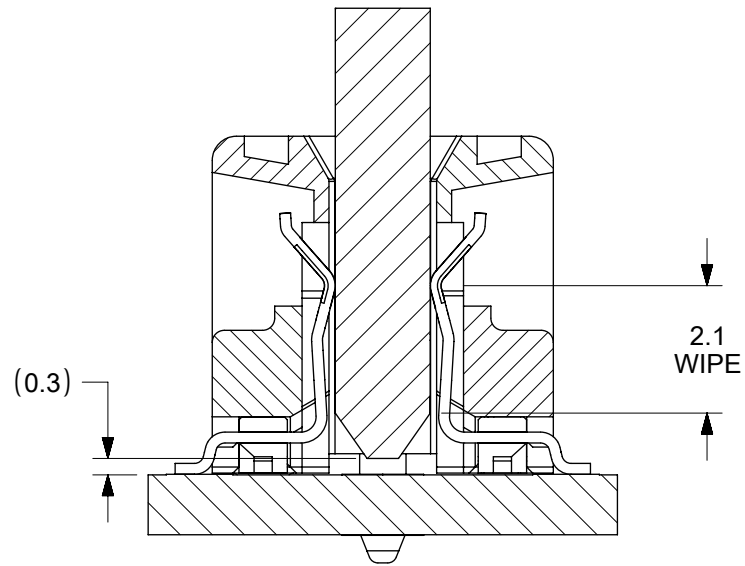
NOTES:

- 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.

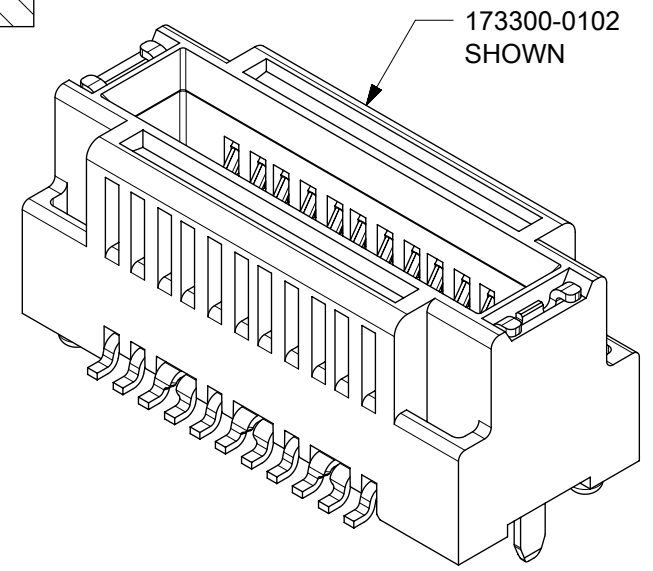
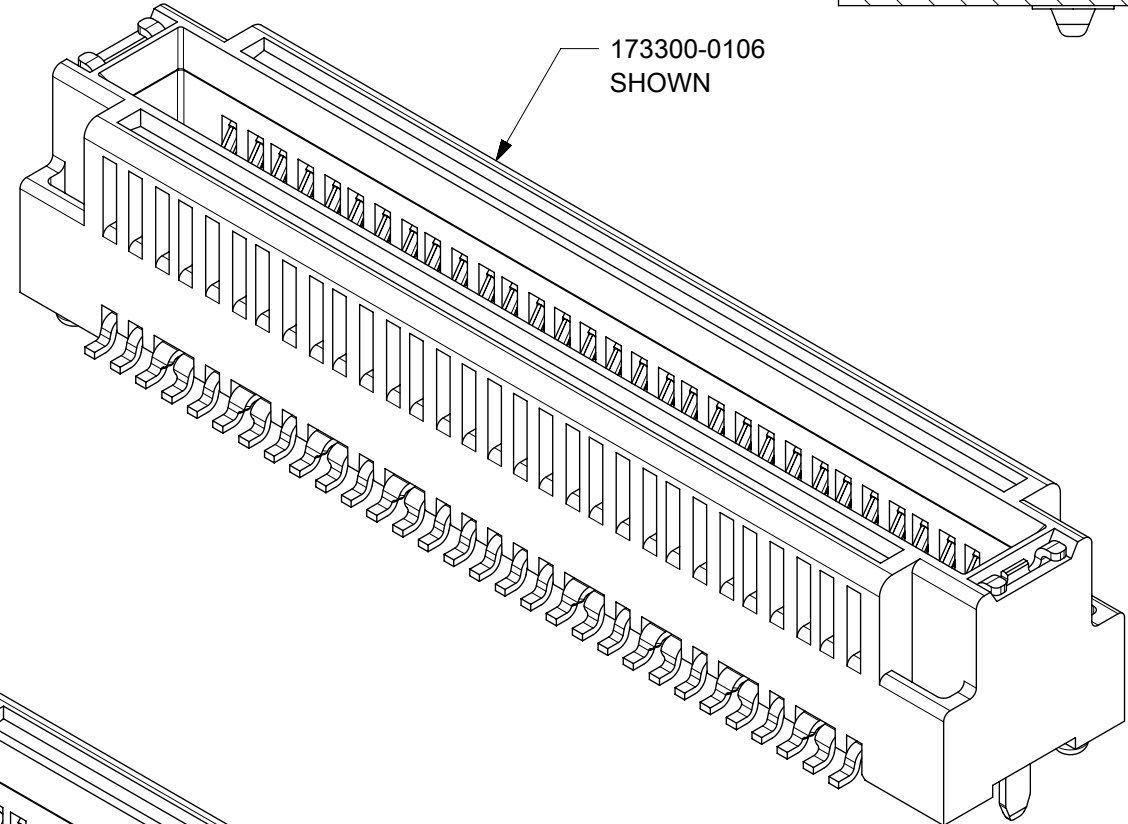
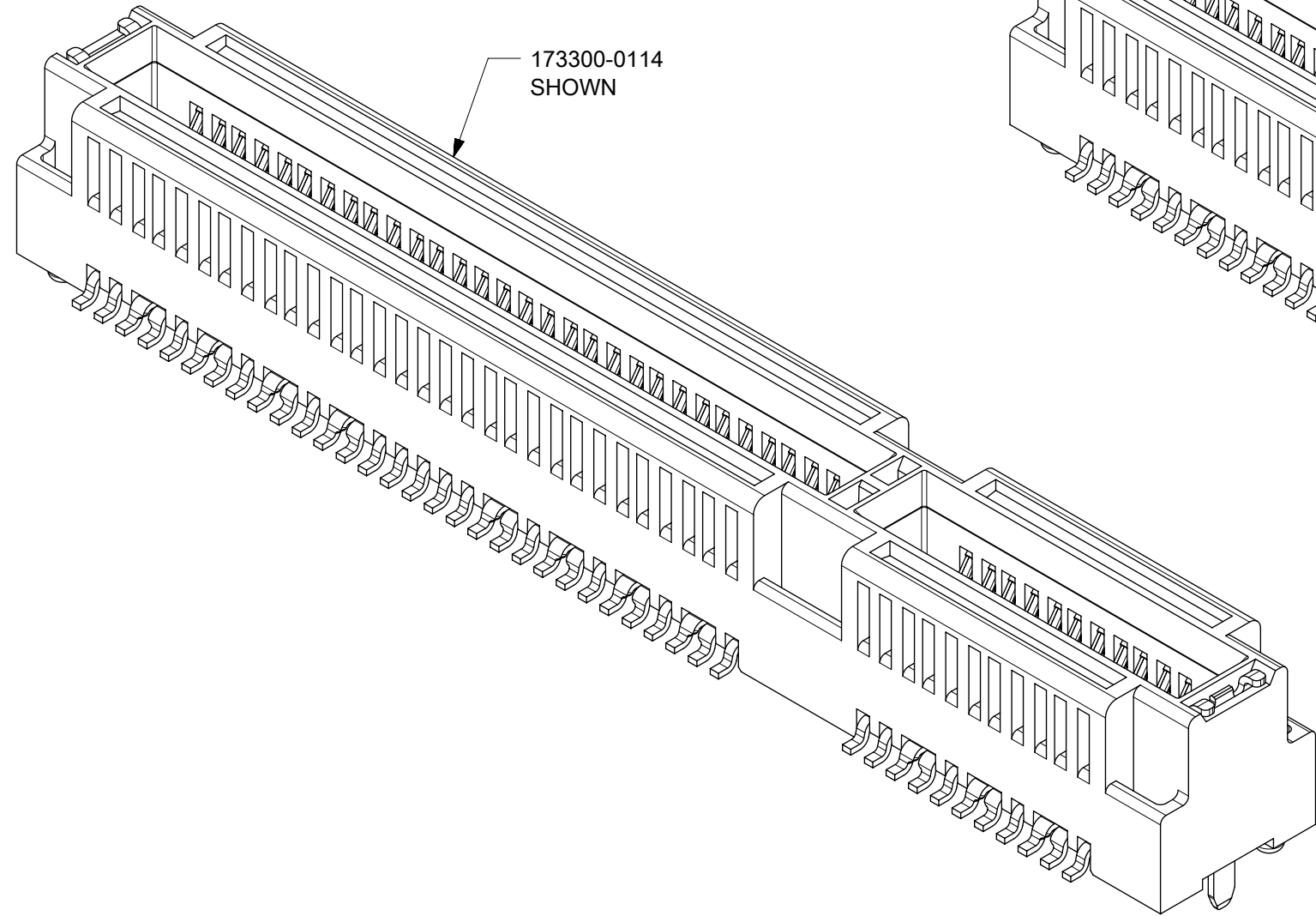
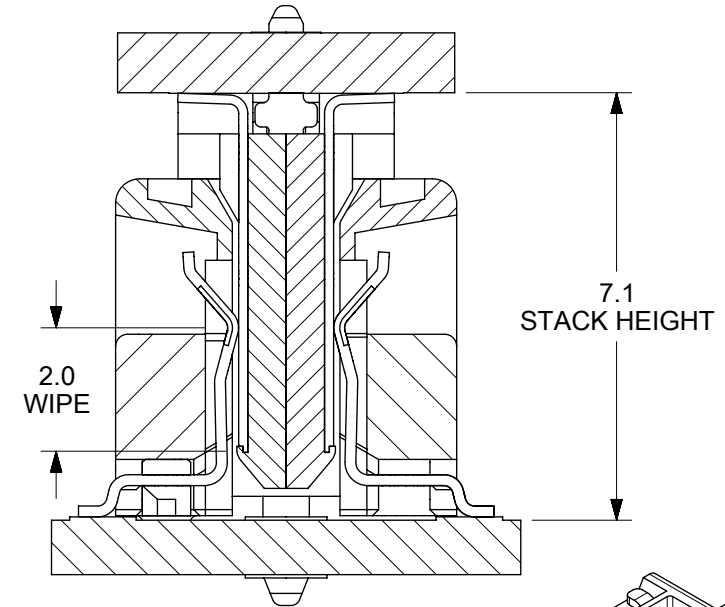
| QUALITY SYMBOLS | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | | | | |
|-----------------|-------|---|---------------------------------------|--|-----------------|------------------------|---|-----------------|----------------|--------------|--|
| ▽ = 0 | ▽ = 0 | MIGRATED TO NX EC NO: 168631 DRWN: NSRVATSAHS CHKD: JBINGHAM REV APPR: KLANG | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION UNITS | SCALE | | | | | |
| ▽ = 0 | ▽ = 0 | | ANGULAR TOL ± 0.5 ° | | mm | 8:1 | | | | | |
| ▽ = 0 | ▽ = 0 | | 4 PLACES ± | 3 PLACES ± | DRWN BY | DATE | | | | | |
| ▽ = 0 | ▽ = 0 | | 2 PLACES ± 0.13 | 1 PLACE ± 0.25 | JBINGHAM | 2015/08/14 | | | | | |
| ▽ = 0 | ▽ = 0 | | 0 PLACES ± | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | CHK'D BY | DATE | | | | | |
| ▽ = 0 | ▽ = 0 | | A1 | B | DMCGOWAN | 2015/08/14 | SPEEDEDGE RECEPTACLE ASSEMBLY SALES DRAWING | | | | |
| | | | | | APPR BY | DATE | PRODUCT CUSTOMER DRAWING | | | | |
| | | | | | DMCGOWAN | 2016/07/11 | SERIES | MATERIAL NUMBER | CUSTOMER | | |
| | | | | | DRAWING SIZE | THIRD ANGLE PROJECTION | 173300 | SEE CHART | GENERAL MARKET | | |
| | | | | | | | DOCUMENT NUMBER | DOC TYPE | DOC PART | SHEET NUMBER | |
| | | | | | | | SD-173300-0100 | PSD | 001 | 1 OF 8 | |

| | | | | |
|----------------|----|--------------|------------|----------|
| RELEASE STATUS | P1 | RELEASE DATE | 12.12.2017 | 14:56:12 |
|----------------|----|--------------|------------|----------|

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

| | | | | | | |
|--|--|--|------------------------|--|-----------------|-------|
| QUALITY SYMBOLS ▽ = 0 ▽ = 0 ▽ = 0 ▼ = 0 ▽ = 0 ⊠ = 0 ■ = 0 ▽ = 0 | EC NO: 168631 DRWN: NSRVATSAHS CHKD: JBINGHAM APPR: KLANG MIGRATED TO NX | 2017/11/10 2017/12/07 2017/12/12 | | 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 | DIMENSION UNITS | SCALE |
| | | mm | 6:1 | | | |
| | | DRWN BY | DATE | | | |
| | | JBINGHAM | 2015/08/14 | | | |
| | | CHK'D BY | DATE | | | |
| | | DMCGOWAN | 2015/08/14 | | | |
| | | APPR BY | DATE | | | |
| | | DMCGOWAN | 2016/07/11 | | | |
| | | DRAWING SIZE | THIRD ANGLE PROJECTION | | | |
| | | B | | | | |

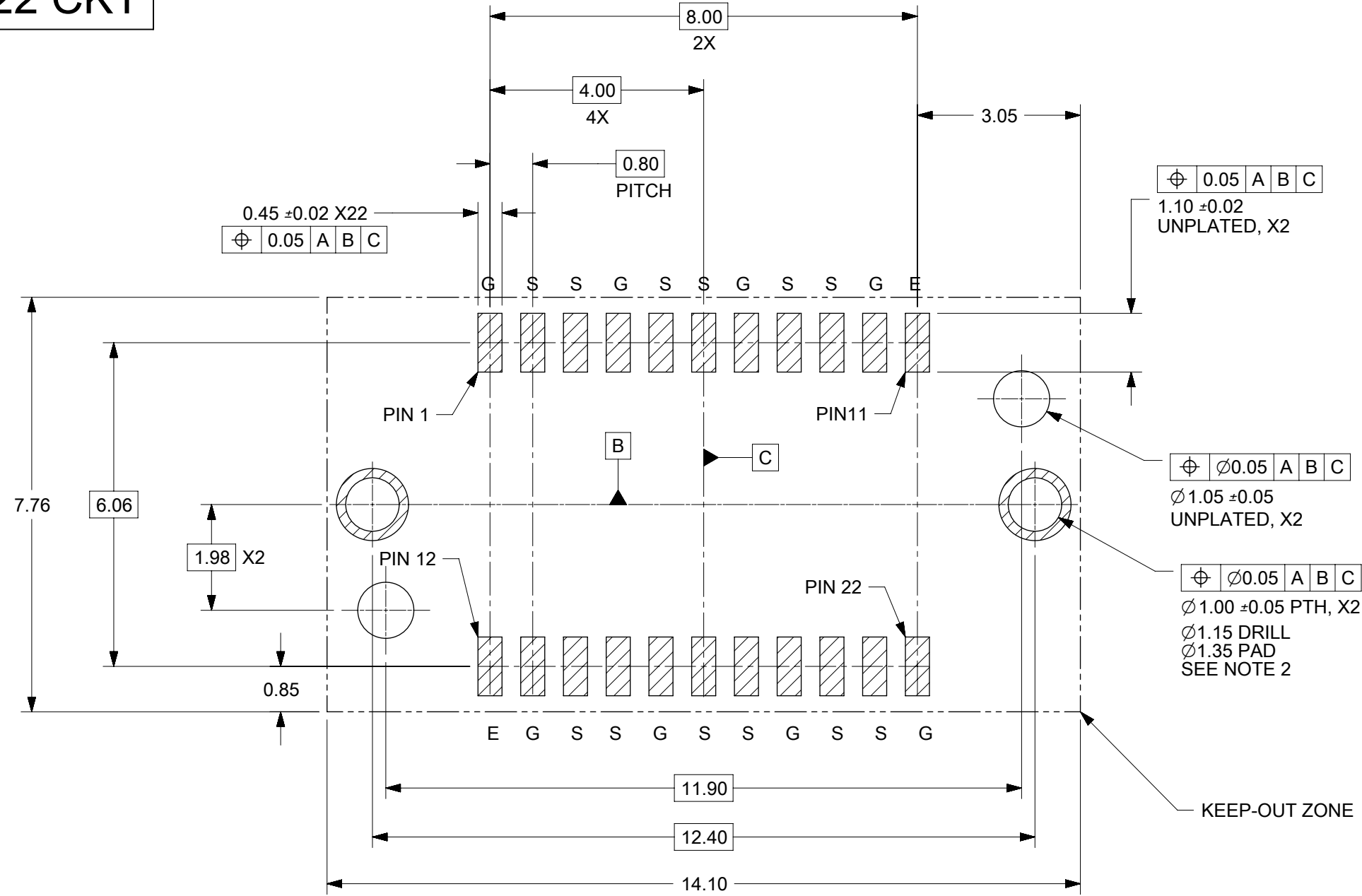
SPEEDEDGE
RECEPTACLE ASSEMBLY SALES DRAWING

PRODUCT CUSTOMER DRAWING

| | | | |
|-----------------|-----------------|----------------|--------------|
| SERIES | MATERIAL NUMBER | CUSTOMER | |
| 173300 | SEE CHART | GENERAL MARKET | |
| DOCUMENT NUMBER | DOC TYPE | DOC PART | SHEET NUMBER |
| SD-173300-0100 | PSD | 001 | 2 OF 8 |

PCB LAYOUT - 22 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.

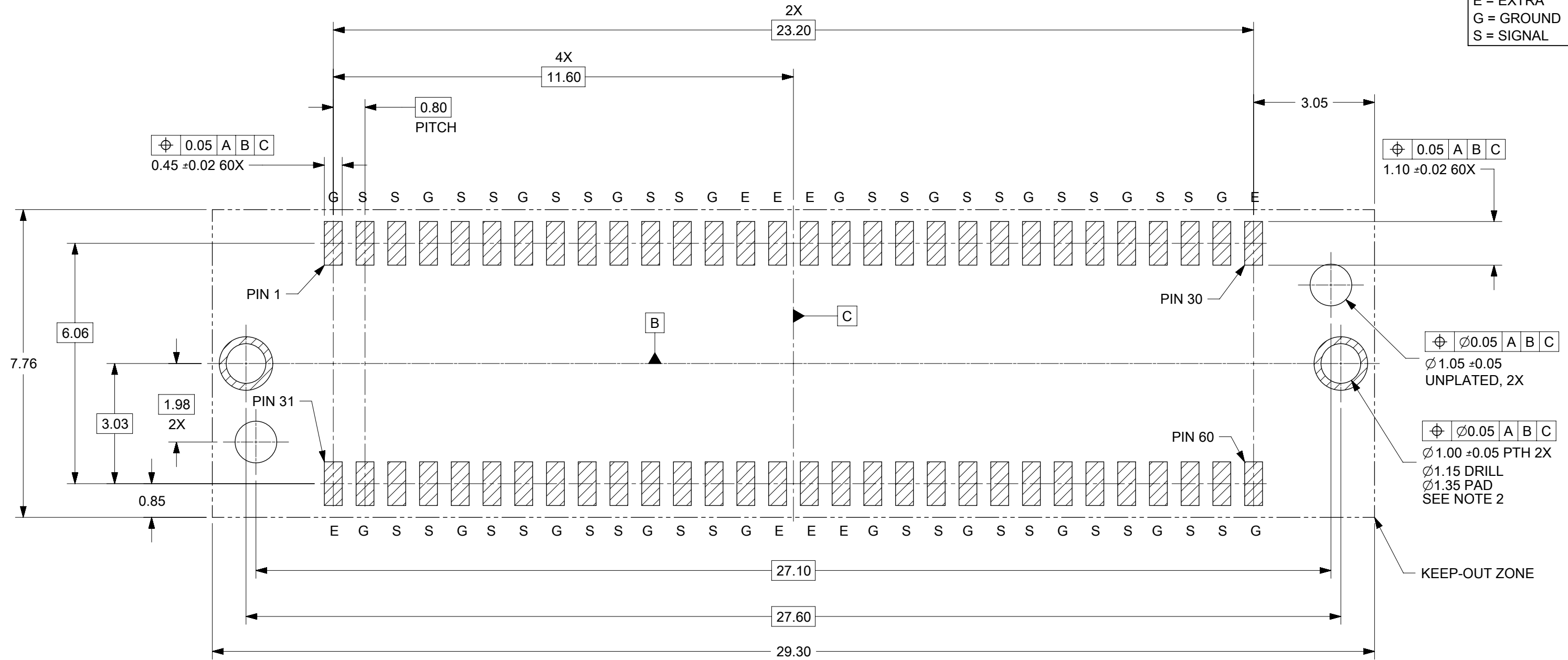
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | | | | | | | | | | |
|---|--|--|----------------|--|-----------------|-----------------|------------------------|--------------------------|-----------------|--|--------------|---|--|--|--|
| QUALITY SYMBOLS ▽ = 0 ▽ = 0 ▽ = 0 ▼ = 0 ▽ = 0 ⊠ = 0 ■ = 0 ▽ = 0 | EC NO: 168631 DRWN: NSRVATSAHS CHKD: JBINGHAM APPR: KLANG | 2017/11/10 2017/12/07 2017/12/12 | MIGRATED TO NX | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION UNITS | SCALE | | | | | | | | |
| | | | | ANGULAR TOL ± 0.5 ° | | mm | 10:1 | | | | | | | | |
| | | | | 4 PLACES ± | 3 PLACES ± | DRWN BY | DATE | | | | | | | | |
| | | | | 3 PLACES ± | 2 PLACES ± 0.13 | JBINGHAM | 2015/08/14 | CHK'D BY | DATE | SPEEDEDGE RECEPTACLE ASSEMBLY SALES DRAWING | | | | | |
| | | | | 2 PLACES ± 0.13 | 1 PLACE ± 0.25 | DMCGOWAN | 2015/08/14 | APPR BY | DATE | | | | | | |
| | | | | 1 PLACE ± 0.25 | 0 PLACES ± | DMCGOWAN | 2016/07/11 | PRODUCT CUSTOMER DRAWING | | | | | | | |
| | | | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | DRAWING SIZE | THIRD ANGLE PROJECTION | SERIES | MATERIAL NUMBER | CUSTOMER | | 173300 SEE CHART GENERAL MARKET | | | |
| | | | | | | B | | DOCUMENT NUMBER | DOC TYPE | DOC PART | SHEET NUMBER | | | | |
| | | | | | | | | SD-173300-0100 | PSD | 001 | 3 OF 8 | | | | |

| | | | | |
|----------------|----|--------------|------------|----------|
| RELEASE STATUS | P1 | RELEASE DATE | 12.12.2017 | 14:56:12 |
|----------------|----|--------------|------------|----------|

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.

| | | | | |
|----------------|----|--------------|------------|----------|
| RELEASE STATUS | P1 | RELEASE DATE | 12.12.2017 | 14:56:12 |
|----------------|----|--------------|------------|----------|

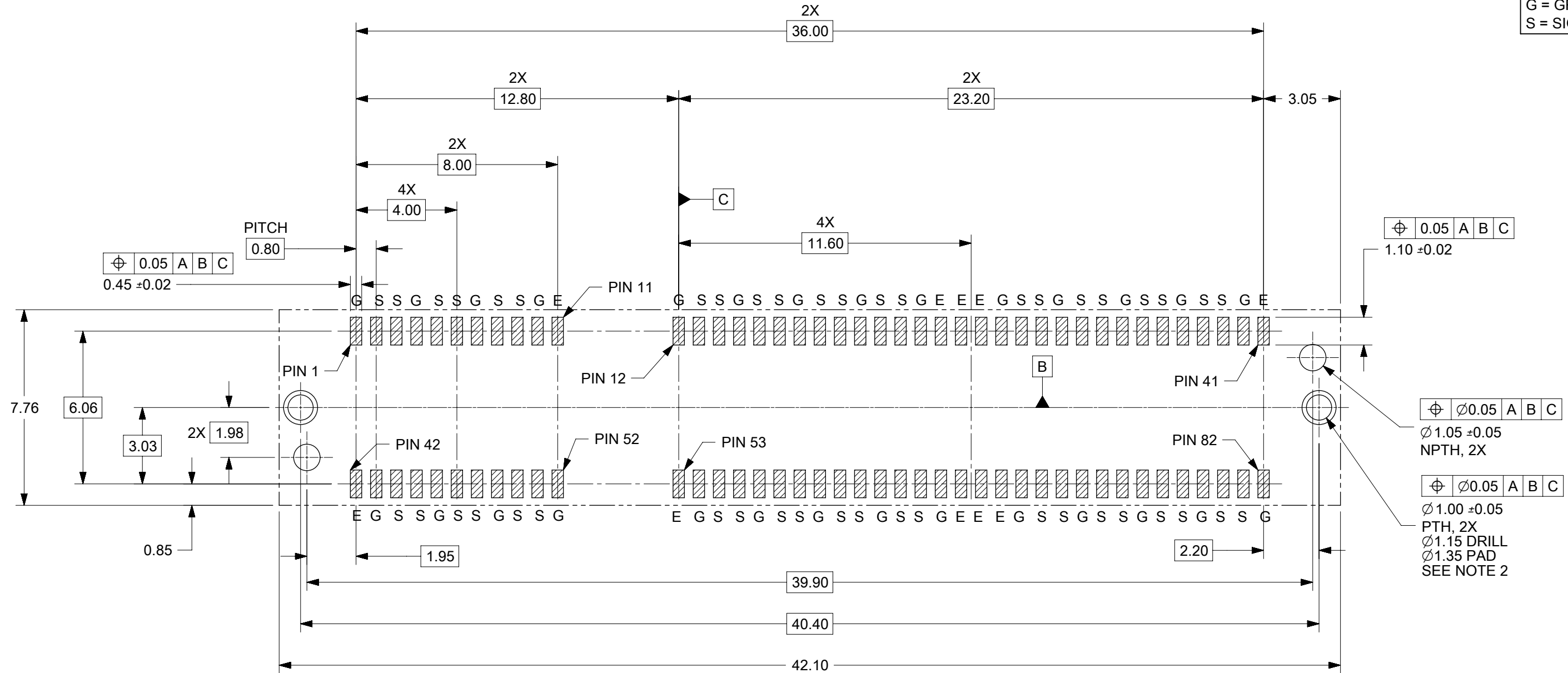
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

| QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION UNITS | SCALE | molex® | | | |
|--------------------------|--|-----|-----------------|------------------------|--|-----------------|----------------|--------------|
| ∇ = 0 | ANGULAR TOL ± 0.5 ° | | mm | 10:1 | SPEEDEDGE RECEPTACLE ASSEMBLY SALES DRAWING | | | |
| ∇ = 0 | 4 PLACES ± | | | | | | | |
| ∇ = 0 | 3 PLACES ± | | | | | | | |
| \blacktriangledown = 0 | 2 PLACES ± 0.13 | | | | PRODUCT CUSTOMER DRAWING | | | |
| ∇ = 0 | 1 PLACE ± 0.25 | | | | | | | |
| \boxtimes = 0 | 0 PLACES ± | | | | SERIES | MATERIAL NUMBER | CUSTOMER | |
| \blacksquare = 0 | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | DRAWING SIZE | THIRD ANGLE PROJECTION | 173300 | SEE CHART | GENERAL MARKET | |
| ∇ = 0 | A1 | REV | B | | DOCUMENT NUMBER | DOC TYPE | DOC PART | SHEET NUMBER |
| | | | | | SD-173300-0100 | PSD | 001 | 4 OF 8 |

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:

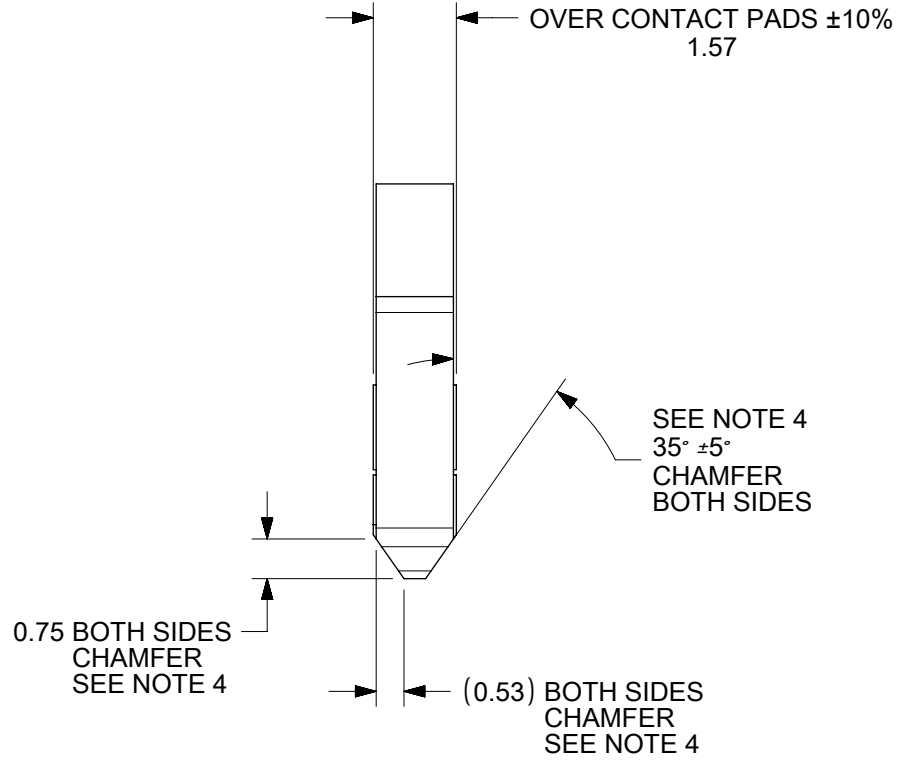
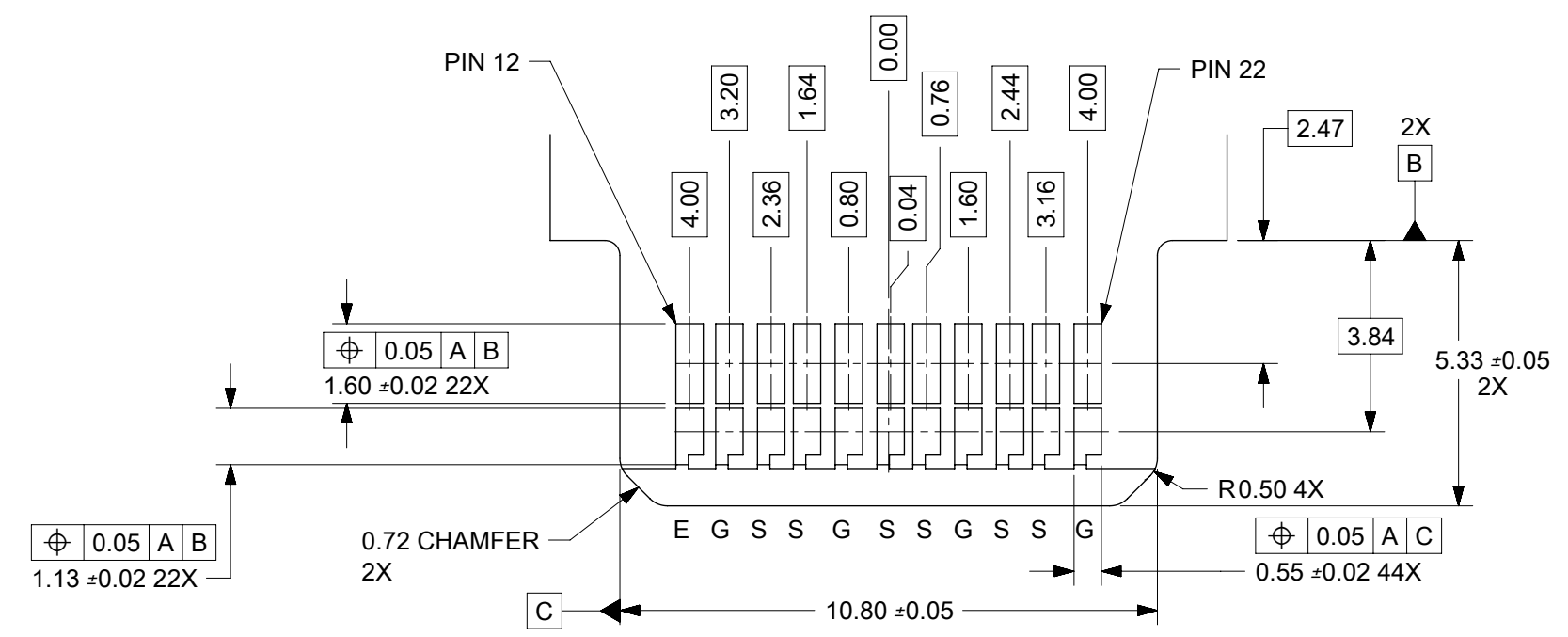
- PIN NUMBERING IS FOR REFERENCE ONLY. OTHER PIN NUMBERS WILL NOT AFFECT THE OPERATION OF THE CONNECTOR.
- RETENTION NAIL MUST BE SOLDERED ONTO THE PCB FOR PROPER CONNECTOR FUNCTION.

| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | | | | | | | | | | | | |
|---|--|---------------------------------------|--|-----------------|--------------------|--|--|--|--|--|--|------------------------------|----------------------------|-----------------------------------|-----------------|-----------------|------------------------|
| QUALITY SYMBOLS | EC NO: 168631 DRWN: NSRIVATSAHS CHK'D: JBINGHAM APPR: KLANG MIGRATED TO NX | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION UNITS | SCALE | SPEEDEDGE RECEPTACLE ASSEMBLY SALES DRAWING PRODUCT CUSTOMER DRAWING | | | | | | | | | | | |
| | | ANGULAR TOL ± 0.5 ° | | mm | 6:1 | | | | | | | | | | | | |
| ▽ = 0 | EC NO: 168631 DRWN: NSRIVATSAHS CHK'D: JBINGHAM APPR: KLANG MIGRATED TO NX | 4 PLACES ± | DRWN BY | DATE | SERIES 173300 | | | | | | | MATERIAL NUMBER SEE CHART | CUSTOMER GENERAL MARKET | DOCUMENT NUMBER SD-173300-0100 | DOC TYPE PSD | DOC PART 001 | SHEET NUMBER 5 OF 8 |
| ▽ = 0 | | 3 PLACES ± | JBINGHAM | 2015/08/14 | | | | | | | | | | | | | |
| ▽ = 0 | | 2 PLACES ± 0.13 | CHK'D BY | DATE | APPR BY DMCOWAN | DATE 2015/08/14 | | | | | | | | | | | |
| ▽ = 0 | | 1 PLACE ± 0.25 | DMCOWAN | 2016/07/11 | | | | | | | | | | | | | |
| ▽ = 0 | | 0 PLACES ± | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | DRAWING SIZE | THIRD ANGLE PROJECTION | | | | | | | | | | | |
| ▽ = 0 | | | | B | | | | | | | | | | | | | |

EDGE CARD LAYOUT - 22 CKT

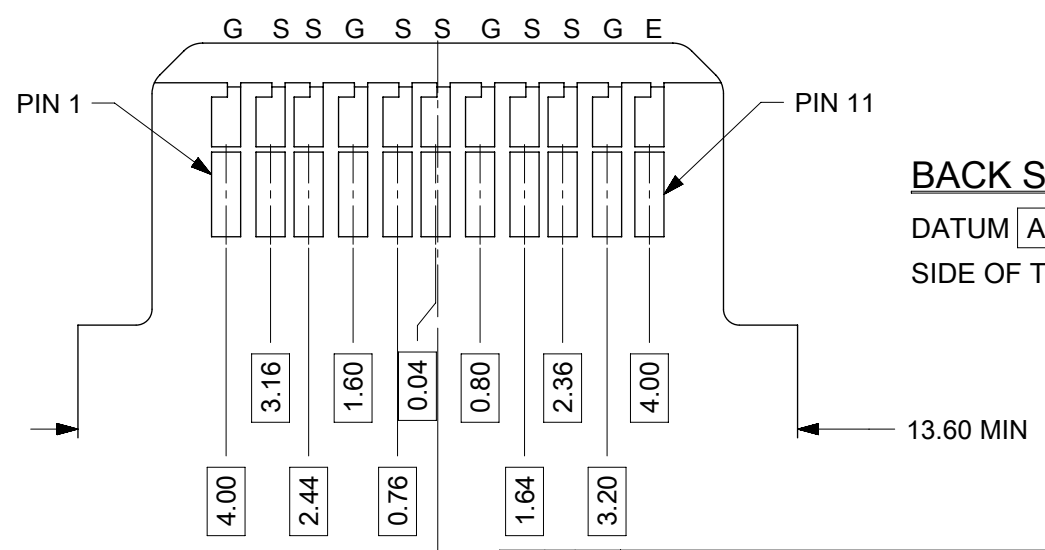
FRONT SIDE

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



BACK SIDE

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



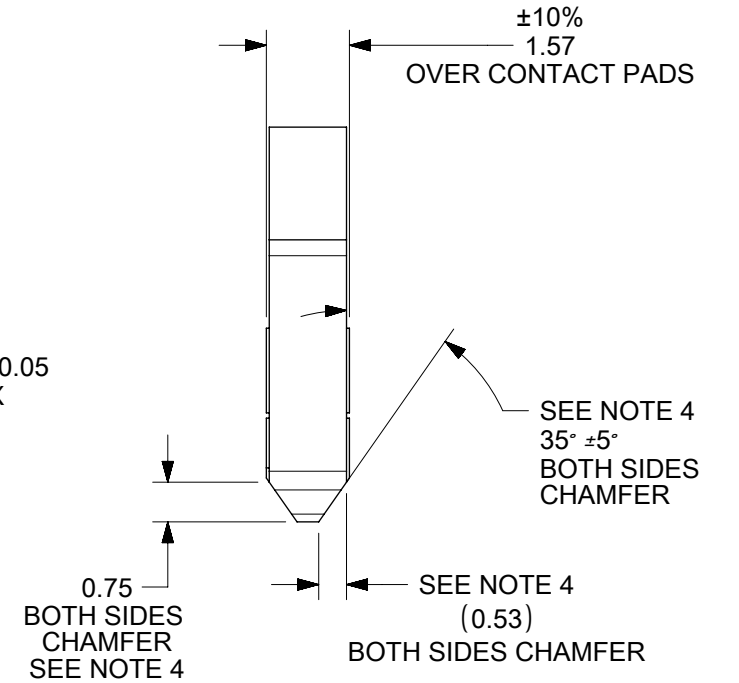
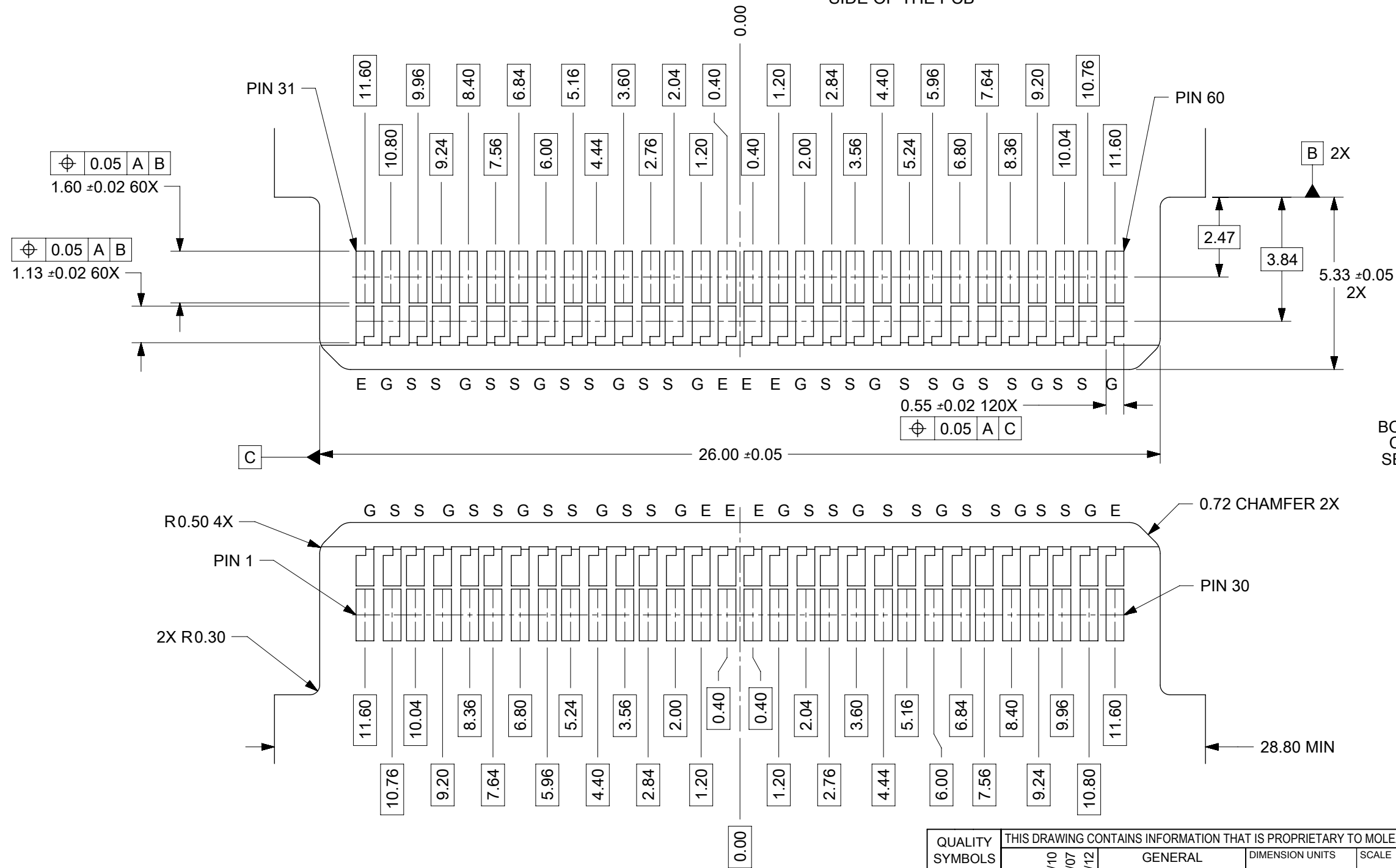
- PIN NUMBERING FOR REFERENCE ONLY. OTHER PIN NUMBERS WILL NOT AFFECT THE OPERATION OF THE CONNECTOR.
- EDGE CARD SHOULDERS STOP ON RECEPTACLE SHOULDERS. EDGE CARD BOTTOM DOES NOT CONTACT RECEPTACLE PCB.
- PAD SET BACK FROM CHAMFER ENOUGH TO ACCOMODATE LARGEST CHAMFER WITHOUT DAMAGE TO PAD EDGE.
- CHAMFER 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 | | | | | | | | | | | | | |
| QUALITY SYMBOLS | MIGRATED TO NX | EC NO: 168631 | DRWN: NSRVATSAHS | CHKD: JBINGHAM | APPR: KLANG | 2017/11/10 | 2017/12/07 | 2017/12/12 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION UNITS | SCALE | |
| | | | | | | | | | ANGULAR TOL ± 0.5 ° | | mm | 7:1 | |
| ▽ = 0 | ▽ = 0 | ▽ = 0 | ▽ = 0 | ▽ = 0 | ▽ = 0 | ▽ = 0 | ▽ = 0 | ▽ = 0 | ▽ = 0 | ▽ = 0 | ▽ = 0 | SPEEDEDGE RECEPTACLE ASSEMBLY SALES DRAWING | |
| 4 PLACES ± | 3 PLACES ± | 2 PLACES ± 0.13 | 1 PLACE ± 0.25 | 0 PLACES ± | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | THIRD ANGLE PROJECTION | | PRODUCT CUSTOMER DRAWING | | |
| DRWN BY | DATE | CHK'D BY | DATE | APPR BY | DATE | DRAWING SIZE | THIRD ANGLE PROJECTION | | SERIES | MATERIAL NUMBER | | CUSTOMER | 173300 SEE CHART GENERAL MARKET |
| JBINGHAM | 2015/08/14 | DMCGOWAN | 2015/08/14 | DMCGOWAN | 2016/07/11 | B | | | DOCUMENT NUMBER | DOC TYPE | DOC PART | SHEET NUMBER | |
| | | | | | | | | | | SD-173300-0100 | PSD | 001 | 6 OF 8 |

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

- 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 ACCOMMODATE 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 | | | | | | | | | | | |
|---|--|--|---------------------------------------|----------------|-----------------|----------------|--|------------------------|----------|-----------------|----------------|
| QUALITY SYMBOLS ▽ = 0 ▽ = 0 ▽ = 0 ▼ = 0 ▽ = 0 ⊠ = 0 ■ = 0 ▽ = 0 | EC NO: 168631 DRWN: NSRVATSAHS CHKD: JBINGHAM APPR: KLANG | 2017/11/10 2017/12/07 2017/12/12 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION UNITS | SCALE | SPEEDEDGE RECEPTACLE ASSEMBLY SALES DRAWING PRODUCT CUSTOMER DRAWING | | | | |
| | | | ANGULAR TOL ± 0.5 ° | | mm | 7:1 | | | | | |
| | | | 4 PLACES ± | 3 PLACES ± | DRWN BY | DATE | | | | | |
| | | | 2 PLACES ± 0.13 | 1 PLACE ± 0.25 | JBINGHAM | 2015/08/14 | | | | | |
| 0 PLACES ± | | 3 PLACES ± | CHK'D BY | DATE | APPR BY | | DATE | SERIES | | MATERIAL NUMBER | CUSTOMER |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | MIGRATED TO NX | | DMCGOWAN | 2016/07/11 | DRAWING SIZE | | THIRD ANGLE PROJECTION | 173300 | SEE CHART | GENERAL MARKET |
| | | | | B | | | DOCUMENT NUMBER | | DOC TYPE | DOC PART | SHEET NUMBER |
| | | | | A1 | | SD-173300-0100 | | PSD | 001 | 7 OF 8 | |

