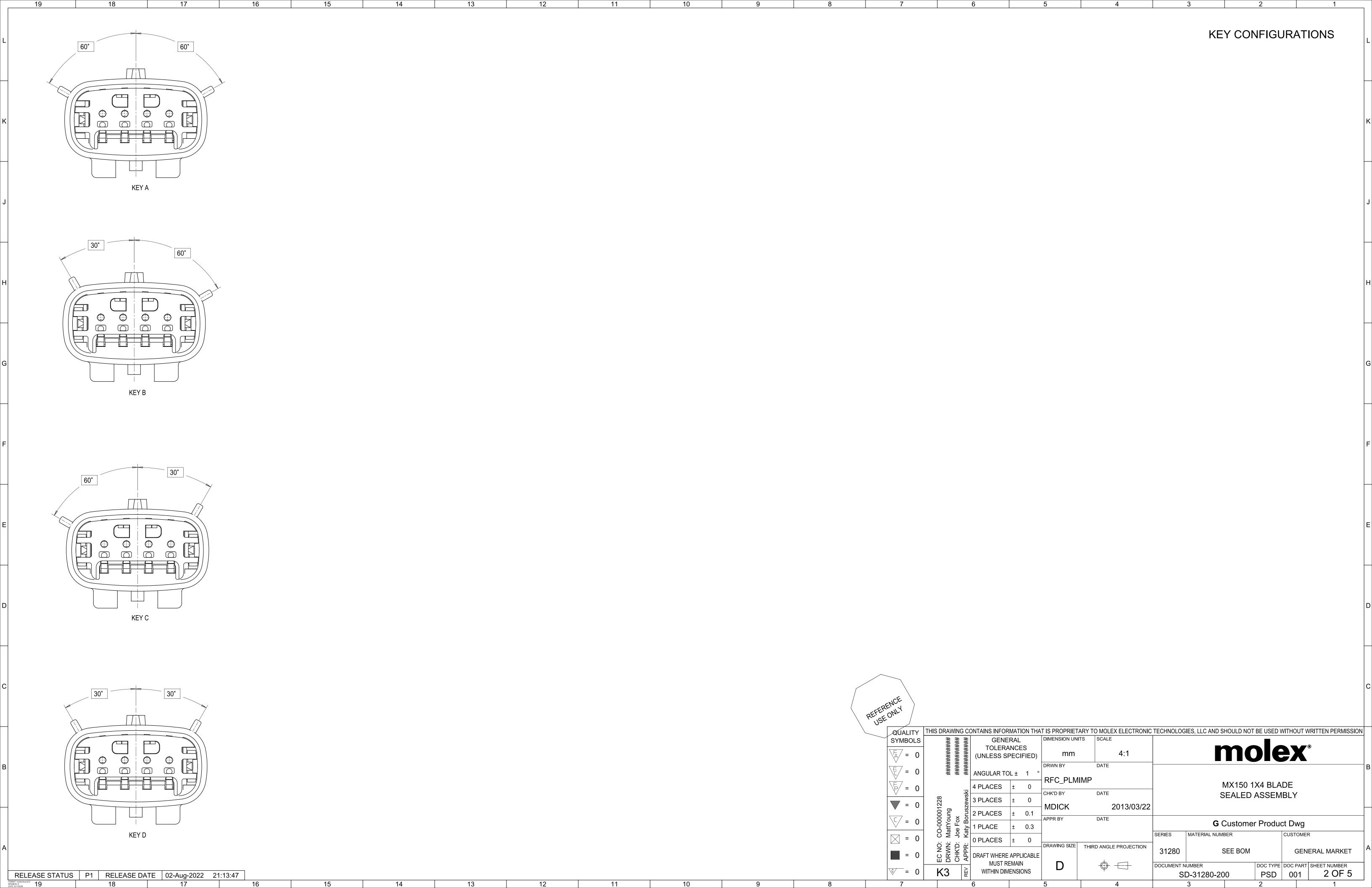
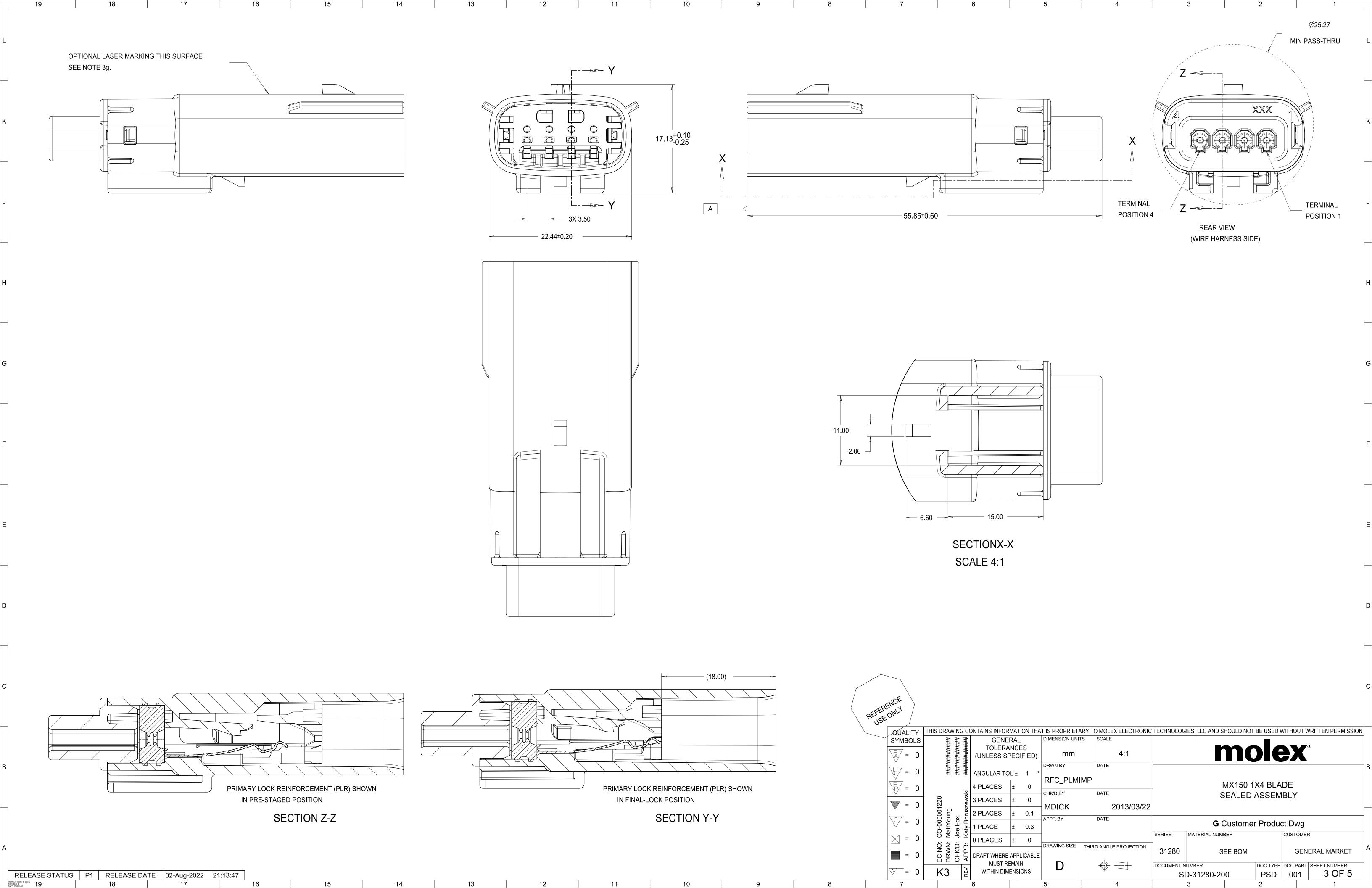
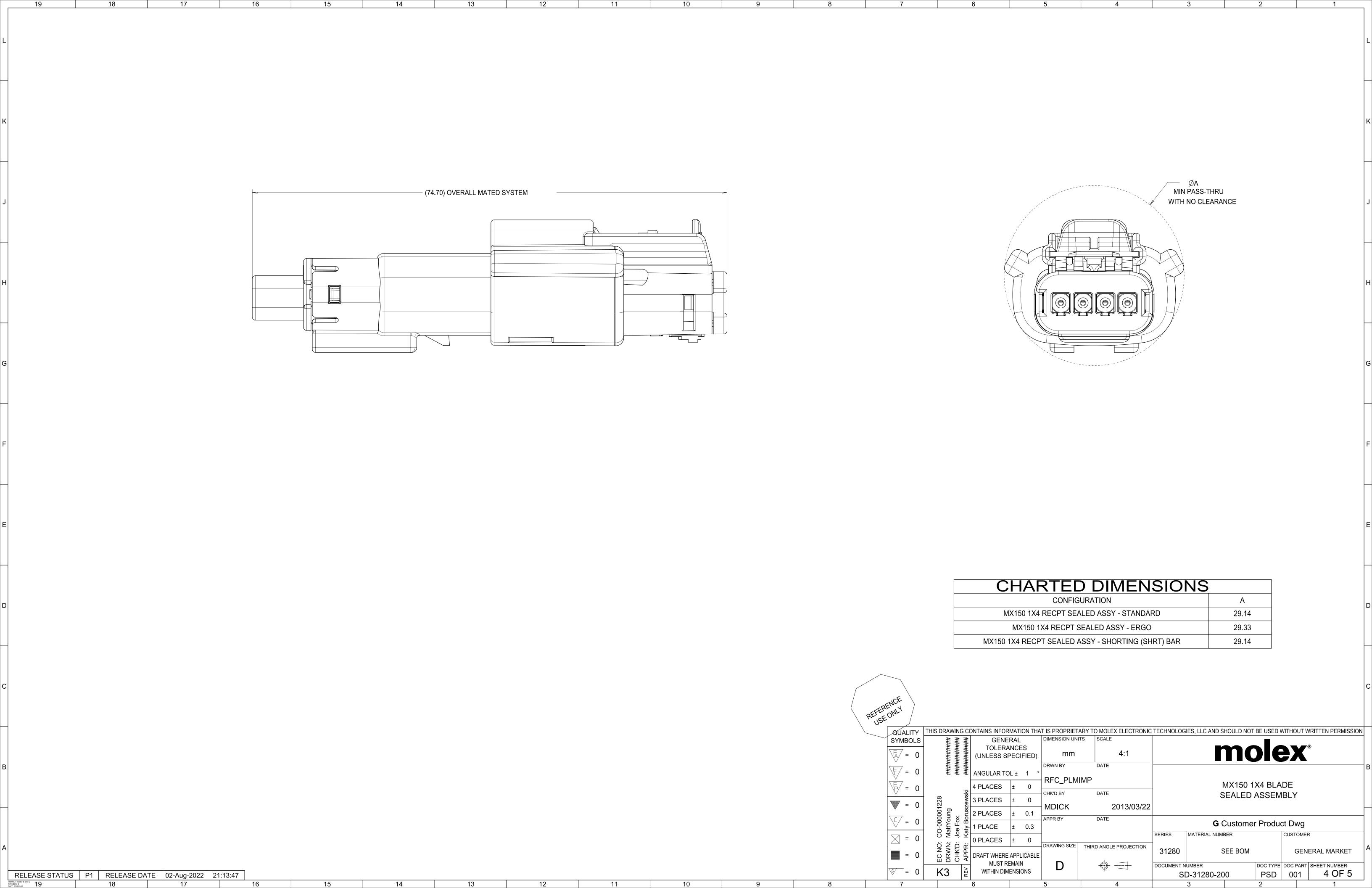
19   18   17   16   15   14   13   12   11   10   9   8	8 7 6 5 4 3 2 1 L
3 BLADE SEALED ASSEMBLY  4 SYSTEM PACKAGING  5 BOM	NOTES: VALID UNLESS OTHERWISE SPECIFIED  1. GENERAL: a. APPLICATION SPECIFICATION SEE: AS-33472-100 CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR
	MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTINGDESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY SPECIFIED IN MOLEX DRAWING SD-33471-041. RECEPTACLE SEALED ASSEMBLY CONFIGURATION MUST CONTAIN A PLR WITH SHORTING BAR LIFTERFOR 1.5mm BLADE TERMINALS TO BE USED WITH THE SHORTING BAR CIRCUIT
J	LOCATIONS SEE MOLEX DRAWING SD-31296-001SHORTING BAR TERMINALS TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.7mm TO 2.06mmFOR 1.5mm BLADE TERMINALS TO BE USED WITH THE NON-SHORTING BAR CIRCUIT LOCATIONS SEE MOLEX DRAWING SD-33000-001NON-SHORTING BAR TERMINALS TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.2mm TO 2.69mm.
GROMMET CAP FOR OPTIONS SEE BOM	-ASSEMBLY SHIPPED WITH PLR IN PRE-LOCK POSITION -IN THE EVENT THAT THE PLR IS FOUND IN THE SEATED (FINAL LOCK) POSITION, REFER TO MOLEX SPECIFICATION PS-34646-001, AVAILABLE AT www.molex.com <a href="http://www.molex.com">http://www.molex.com</a> -ASSEMBLY CONFORMS TO SAE/USCAR-2 REV.4 WITH THE FOLLOWING EXCEPTIONS: TERMINAL INSERTION FORCE FOR WIRE DIAMETER ABOVE 2.5mm NOT EXCEEDING 2.69mm SHALL NOT EXCEED 45 NEWTONS.
MAT SEAL OPTIONAL	b. PRODUCT SPECIFICATION SEE: PS-33471-000 CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, RATINGS (CURRENT, TEMPERATURE, SEALING, AND FLAMMABILITY), AND PRODUCT VALIDATION. c. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-31300-635 d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR
SEE BOM  CONNECTOR HOUSING FOR OPTIIONS SEE BOM	PRODUCTS AND PACKAGING SPECIFICATION: ES-40000-5016  e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS  (COMPANY ID#13255)  f. FOR INFORMATION ON 1X4 BLADE SEALED ASSEMBLY WITHOUT SHORTING BAR SEE SD-33481-041.  2. DESIGN - MATERIALS:  a. CONNECTOR HOUSING, GROMMET CAP, PLR: SPS/NYLON BLEND 20% GLASS FILLED
	b. MAT SEAL: INHERENTLY LUBRICATED SILICONE c. SHORTING BARS: STAINLESS STEEL  3. DESIGN - GEOMETRY: a. THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.
SHORTING BAR FOR OPTIONS SEE BOM	b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994 c. EDGES AND UNDIMENSIONED DETAILS PER ISO13715 d. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX. e. LETTERING SHALL BE 0.15 MAX RAISED IN 0.25 MAX RECESS PAD. THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER.
	f. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B) g. LASER MARKING: TBD
	PRIMARY LOCK REINFORCEMENT (PLR)  UPDATED THE STATUS OF P/Ns ON SHEET 5
	(3128004XX) TO OBSOLETE PER PCN 512135, EXCEPT 312800442 THRU 312800445 WHICH WERE MARKED SALEABLE  K3 ADDED SALEABLE STATUS OF P/NS (3128044XX) ON SHEET 5, EXCEPT FOR 312804442 THRU 312804445 AND 312804440 WHICH WERE MARKED
	OBSOLETE AND FOR 312804438 THRU 312804439  WHICH WERE MARKED NOT RECOMMENDED  K2 ADDED NEW P/N 31280-4436 TO 31280-4451  K ADDED NEW P/N 31280-0450 31280-0451
	J ADDED NEW P/N 31280-0449  H ADDED NEW P/N 31280-0448  G UPDATED GROMMET CAP  F1 UPDATED DIMENSIONS TO MATCH MODEL  F REDRAWN  REV DESCRIPTION  THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
B	SYMBOLS    SYMBOLS
	SEALED ASSEMBLY  SEALED ASSEMBLY  APPR BY  APPR BY  DATE  SEALED ASSEMBLY  APPR BY  CHK'D BY  MDICK  2013/03/22  G Customer Product Dwg
RELEASE STATUS P1 RELEASE DATE 02-Aug-2022 21:13:47    ORDICAL INSERTING   P2   P2   P3   P3   P3   P3   P3   P3	SERIES   MATERIAL NUMBER   CUSTOMER   SERIES   MATERIAL NUMBER   CUSTOMER   SERIES   MATERIAL NUMBER   CUSTOMER   SERIES   MATERIAL NUMBER   CUSTOMER   SERIES   MATERIAL NUMBER   SERIES   SERIES   MATERIAL NUMBER   SERIES   SERIES   MATERIAL NUMBER   SERIES   S







MOLEX ASSEMBLY HOUSING PART COLOR NUMBER	KEYING OPTION	CAVITY NUMBER "X" INDICATES PLUGGED POSITION				NUMBER OF PLUGGED	STATUS	MAT SEAL	SHORTING BAR CIRCUITS 1&2	SHORTING BAR CIRCUITS 3&4	
		1	2	3	4	POSITIONS					
31280-0436	BLACK	А					0	OBSOLETE	PRESENT	PRESENT	PRESENT
31280-0437	LIGHT GRAY	В					0	OBSOLETE	PRESENT	PRESENT	PRESENT
31280-0438	BROWN	С					0	OBSOLETE	PRESENT	PRESENT	PRESENT
31280-0439	GREEN	D					0	OBSOLETE	PRESENT	PRESENT	PRESENT
31280-0440	CUSTOM	TBD					0	OBSOLETE	PRESENT	PRESENT	PRESENT
31280-0441	BLACK	А			Х	Х	2	OBSOLETE	PRESENT	PRESENT	NONE
31280-0442	BLACK	А					0	SALEABLE	NONE	PRESENT	PRESENT
31280-0443	LIGHT GRAY	В					0	SALEABLE	NONE	PRESENT	PRESENT
31280-0444	BROWN	С					0	NOT RECOMMENDED	NONE	PRESENT	PRESENT
31280-0445	GREEN	D					0	NOT RECOMMENDED	NONE	PRESENT	PRESENT
31280-0446	BLACK	Α					0	OBSOLETE	PRESENT	PRESENT	NONE
31280-0447	LIGHT GRAY	В					0	OBSOLETE	PRESENT	NONE	PRESENT
31280-0448	YELLOW	А					0	OBSOLETE	PRESENT	PRESENT	PRESENT
31280-0449	YELLOW	А				Х	1	OBSOLETE	PRESENT	PRESENT	NONE
31280-0450	DARK GRAY	С					0	OBSOLETE	PRESENT	PRESENT	PRESENT
31280-0451	STONE GRAY	D					0	OBSOLETE	PRESENT	PRESENT	PRESENT

PART CO NUMBER	HOUSING COLOR	CAVITY NUMBER  "X" INDICATES  PLUGGED POSITION					NUMBER OF PLUGGED POSITIONS	STATUS	MAT SEAL	SHORTING BAR CIRCUITS 1&2	SHORTING BAR CIRCUITS 3&4
	BLACK	A	1	2	3	4	0	SALEABLE	PRESENT	PRESENT	PRESENT
31280-4437	LIGHT GRAY	В					0	SALEABLE	PRESENT	PRESENT	PRESENT
31280-4438	BROWN	C					0	NOT RECOMMENDED	PRESENT	PRESENT	PRESENT
31280-4439	GREEN	D					0	NOT RECOMMENDED	PRESENT	PRESENT	PRESENT
31280-4440	CUSTOM	TBD					0	OBSOLETE	PRESENT	PRESENT	PRESENT
31280-4441	BLACK	Α			X	X	2	SALEABLE	PRESENT	PRESENT	NONE
31280-4442	BLACK	Α					0	OBSOLETE	NONE	PRESENT	PRESENT
31280-4443	LIGHT GRAY	В					0	OBSOLETE	NONE	PRESENT	PRESENT
31280-4444	BROWN	С					0	OBSOLETE	NONE	PRESENT	PRESENT
31280-4445	GREEN	D					0	OBSOLETE	NONE	PRESENT	PRESENT
31280-4446	BLACK	Α					0	SALEABLE	PRESENT	PRESENT	NONE
31280-4447	LIGHT GRAY	В					0	SALEABLE	PRESENT	NONE	PRESENT
31280-4448	YELLOW	Α					0	SALEABLE	PRESENT	PRESENT	PRESENT
31280-4449	YELLOW	A				Х	1	SALEABLE	PRESENT	PRESENT	NONE
31280-4450	DARK GRAY	С					0	SALEABLE	PRESENT	PRESENT	PRESENT
31280-4451	STONE GRAY	D					0	SALEABLE	PRESENT	PRESENT	PRESENT

SYMBOLS ### GENERAL DIMENSION UNITS SCALE

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

SYMBOLS ### GENERAL DIMENSION UNITS SCALE # GENERAL
TOLERANCES
(UNLESS SPECIFIED) molex® # # # | ANGULAR TOL ± 1 RFC\_PLMIMP MX150 1X4 BLADE 4 PLACES ± 0 SEALED ASSEMBLY CHK'D BY 2013/03/22 **G** Customer Product Dwg MATERIAL NUMBER DRAWING SIZE THIRD ANGLE PROJECTION 31280 SEE BOM GENERAL MARKET MUST REMAIN DOC TYPE DOC PART SHEET NUMBER
PSD 001 5 OF 5 DOCUMENT NUMBER WITHIN DIMENSIONS SD-31280-200

RELEASE STATUS P1 RELEASE DATE 02-Aug-2022 21:13:47