





Part Submission Warrant

Shown on Drawing Number SD-34345-001 Org. Part Number SJ43454001 Indicator Indicato	Part Name MX150 RECEPTACLE CAVITY PLUG	Cust. Part Number	М	U5T-10C930-UA
Additional Engineering Changes	Shown on Drawing Number SD-34345-001	Org. Part Number		343454001
Safety and/or Government Regulation	Engineering Change Level D6		Dated	14-Oct-2021
Checking Aid Number	Additional Engineering Changes	N/A	Dated	N/A
Customer Name & Supplier/Vendor Code	Safety and/or Government Regulation Yes ✓ No	Purchase Order No.	N/A	Weight (kg) 0,0003
Supplier Name & Supplier/Vendor Code	Checking Aid Number N/A Checking Aid Eng.	Change Level	N/A	Dated N/A
Supplier/Vendor Code 700 Kingbird Road N/A Streat Address Lincoln Nebraska 68521 USA City Region Postal Code Country Application MATERIALS REPORTING Has customer-required Substances of Concern information been reported? Are polymeric parts identified with appropriate ISO marking codes? Are polymeric parts identified with appropriate ISO marking codes? Are polymeric parts identified with appropriate ISO marking codes? Are polymeric parts identified with appropriate ISO marking codes? Are polymeric parts identified with appropriate ISO marking codes? Are polymeric parts identified with appropriate ISO marking codes? Are polymeric parts identified with appropriate ISO marking codes? Are polymeric parts identified with appropriate ISO marking codes? Are polymeric parts identified with appropriate ISO marking codes? Are polymeric parts identified with appropriate ISO marking codes? Are polymeric parts identified with appropriate ISO marking codes? Are polymeric parts identified with appropriate ISO marking codes? Are polymeric parts identified with appropriate ISO marking codes? Are polymeric parts identified with appropriate ISO marking codes? Are polymeric parts identified with appropriate ISO marking codes? Are polymeric parts identified with appropriate ISO marking codes? Are polymeric parts identified with appropriate ISO marking codes? Are polymeric parts identified with appropriate ISO marking codes? Are polymeric parts identified with appropriate ISO marking codes? Are polymeric parts identified with appropriate ISO marking codes? Are polymeric parts identified with appropriate ISO marking codes? Are polymeric parts identified with appropriate ISO marking codes? Are polymeric parts identified with appropriate ISO marking codes? Are polymeric parts identified with appropriate appearance intension of polymeric parts intension of polymeric parts intension intension intension of polymeric parts intension intension intension intension intension intension intension intension intension	ORGANIZATION MANUFACTURING INFORMATION	CUSTOMER SUBMITTA	AL INFORMATION	ON
N/A BuyerBuyer Code				
Street Address			1	
Application MATERIALS REPORTING				
MATERIALS REPORTING Has customer-required Substances of Concern information been reported? Submitted by IMDS or other customer format: IMDS ID# 928422266 Are polymeric parts identified with appropriate ISO marking codes? REASON FOR SUBMISSION (Check at least one) Initial submission Engineering Change(s) Change to Optional Construction or Material Change in Part Processing Correction of Discrepancy Tooling Transfer, Replacement, Refurbishment, or additional Correction of Discrepancy Tooling Inactive > than 1 year Correction of Discrepancy REQUESTED SUBMISSION LEVEL (Check one) Level 1 - Warrant only (and for designated appearance items, an Appearance Aproval Report) submitted to customer. Level 2 - Warrant with product samples and innited supporting data submitted to customer. Level 3 - Warrant with product samples and omplete supporting data submitted to customer. Level 4 - Warrant and other requirements as defined by customer. Level 5 - Warrant with product samples and complete supporting data reviewed at organization's manufacturing location. SUBMISSION RESULTS The results for dimensional measurements material and functional tests appearance criteria statistical process package These results meet all design record requirements: Yes No (If 'NO' - Explanation Required) Mold / Cavity / Production Process Molding Process DECLARATION Idfirm that the samples represented by this warrant are representative of our parts, which were made by a process that meets all Production Part Approval Process Manual 4th Edition Requirements. I further affirm that these samples were produced at the production rate of _308,688,	Lincoln Nebraska 68521 USA	N/A		
Are polymeric parts identified with appropriate ISO marking codes? Yes No IMDS ID# 928422266	City Region Postal Code Country	Application		
Submitted by IMDS or other customer format: IMDS ID# 928422266 Are polymeric parts identified with appropriate ISO marking codes? Yes	MATERIALS REPORTING			
Are polymeric parts identified with appropriate ISO marking codes?	Has customer-required Substances of Concern information been re	ported?	☐ No	
REASON FOR SUBMISSION (Check at least one) Initial submission	Submitted by IMDS or other customer format:	IMDS	ID# 9284222	266
REASON FOR SUBMISSION (Check at least one) Initial submission				
Initial submission		Yes	☐ No	✓ n/a
Engineering Change(s)		Change	to Ontional Con	struction or Material
Correction of Discrepancy		= -	•	
Tooling Inactive > than 1 year		=		•
REQUESTED SUBMISSION LEVEL (Check one) Level 1 · Warrant only (and for designated appearance items, an Appearance Approval Report) submitted to customer. Level 2 · Warrant with product samples and limited supporting data submitted to customer. Level 3 · Warrant with product samples and complete supporting data submitted to customer. Level 4 · Warrant and other requirements as defined by customer. Level 5 · Warrant with product samples and complete supporting data reviewed at organization's manufacturing location. SUBMISSION RESULTS The results for ☑ dimensional measurements ☑ material and functional tests ☐ appearance criteria ☐ statistical process package These results meet all design record requirements: ☑ Yes ☐ NO (If "NO" - Explanation Required) Mold / Cavity / Production Process Molding Process DECLARATION I affirm that the samples represented by this warrant are representative of our parts, which were made by a process that meets all Production Part Approval Process Manual 4th Edition Requirements: I further affirm that these samples were produced at the production rate of 309,688 / 8 hours. I also certify that documented evidence of such compliance is on file and available for your review. I have noted any deviation from this declaration below. EXPLANATION/COMMENTS: Is each Customer Tool properly tagged and numbered? ☐ Yes ☐ No ☑ n/a Organization Authorized Signature ☐ Date ☐ 03-Mar-22 Print Name		=		onal Location
Level 5 - Warrant with product samples and complete supporting data reviewed at organization's manufacturing location. SUBMISSION RESULTS The results for dimensional measurements material and functional tests appearance criteria statistical process package These results meet all design record requirements: No (If "NO" - Explanation Required) Mold / Cavity / Production Process Molding Process DECLARATION I affirm that the samples represented by this warrant are representative of our parts, which were made by a process that meets all Production Part Approval Process Manual 4th Edition Requirements. I further affirm that these samples were produced at the production rate of 308.688 / 8 hours. I also certify that documented evidence of such compliance is on file and available for your review. I have noted any deviation from this declaration below. EXPLANATION/COMMENTS: Its each Customer Tool properly tagged and numbered? Yes No Ata-22 Print Name	Level 1 - Warrant only (and for designated appearance item Level 2 - Warrant with product samples and limited support Level 3 - Warrant with product samples and complete supp	ing data submitted to custome orting data submitted to custon	r.	d to customer.
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Organization Authorized Signature Print Name Kevin Maechtlinger Phone No. +49-7243-335-376 Fax No. N/A Title Quality Engineer E-mail kevin.maechtlinger@molex.com FOR CUSTOMER USE ONLY (IF APPLICABLE) PPAP Warrant Disposition: Approved Rejected Other Customer Signature Date	EXPLANATION/COMMENTS:			
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PPAP Warrant Disposition: Approved Rejected Other Customer Signature Date	Title Quality Engineer E-mail	kevin.maechtl	inger@mole:	x.com
Customer Signature Date	FOR CUSTOMER L	JSE ONLY (IF APPLICABLE)		
	PPAP Warrant Disposition: Approved Rejected	Other		
	Customer Signature		Dat	te
	Print Name	Customer Tracking Number (o	ptional)	

March CFG-1001

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	Submission						<u> </u>																
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		20.00	+	0.20	-		Cav6B	Cav7B	Cav8B	Cav1C	Cav2C	Cav3C	Cav4C	Cav5C	Cav6C	Cav7C	Cav8C	Cav1D	Cav2D		-10		
	2	28.85	+	0.20	- 0.20		28.850	28.852	28.848	28.833	28.832	28.828	28.843	28.838	28.835	28.854	28.847	28.843	28.836	VS	13		
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		9.95	+	0.10	- 0.10		9.935 Cav3D	9.924 Cav4D	9.936 Cav5D	9.940 Cav6D	9.938 Cav7D	9.957 Cav8D	9.937 Cav1E	9.939 Cav2E	9.940 Cav3E	9.936 Cav4E	9.933 Cav5E	9.935 Cav6E	9.933 Cav7E	VS	13		1
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		9.95	+	0.10	- 0.10		9.907		9.940	9.935	9.944	9.934	9.926	9.946	9.931	9.943	9.937	9.942	9.929	VS	13		
	- 	5.55	+	5.10	- 3.10		Cav5G	1	Cav7G	Cav8G	Cav1H	1	Cav3H			Cav6H	Cav7H	Cav8H	0.020		-10		
		9.95	+	0.10	- 0.10		9.938	1	9.935	9.928	9.937	9.945	9.937	9.920	9.937	9.932	9.949	9.935		VS	12		
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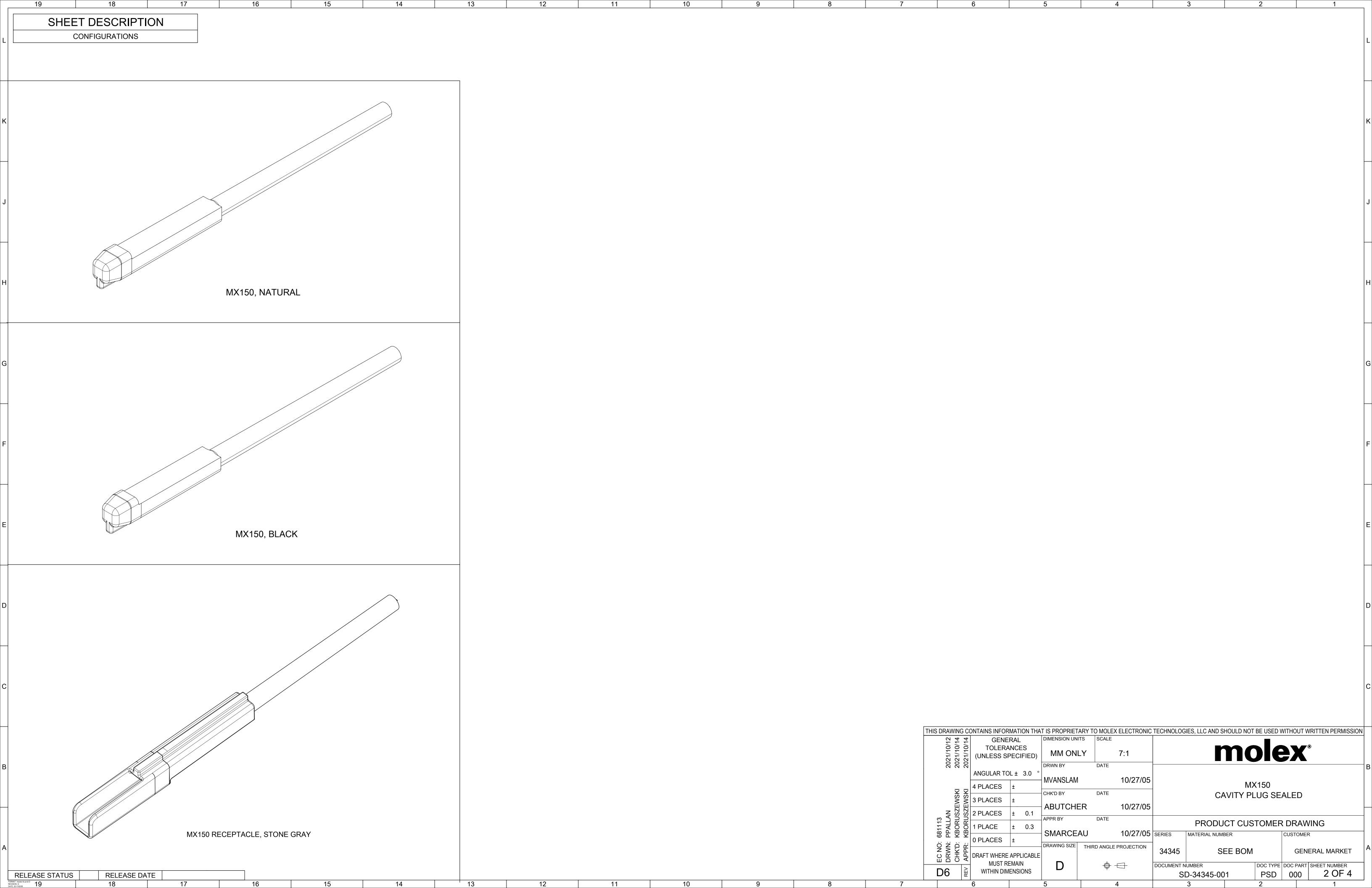
Quality Inspection Report QWF-0018 08/25/2015]

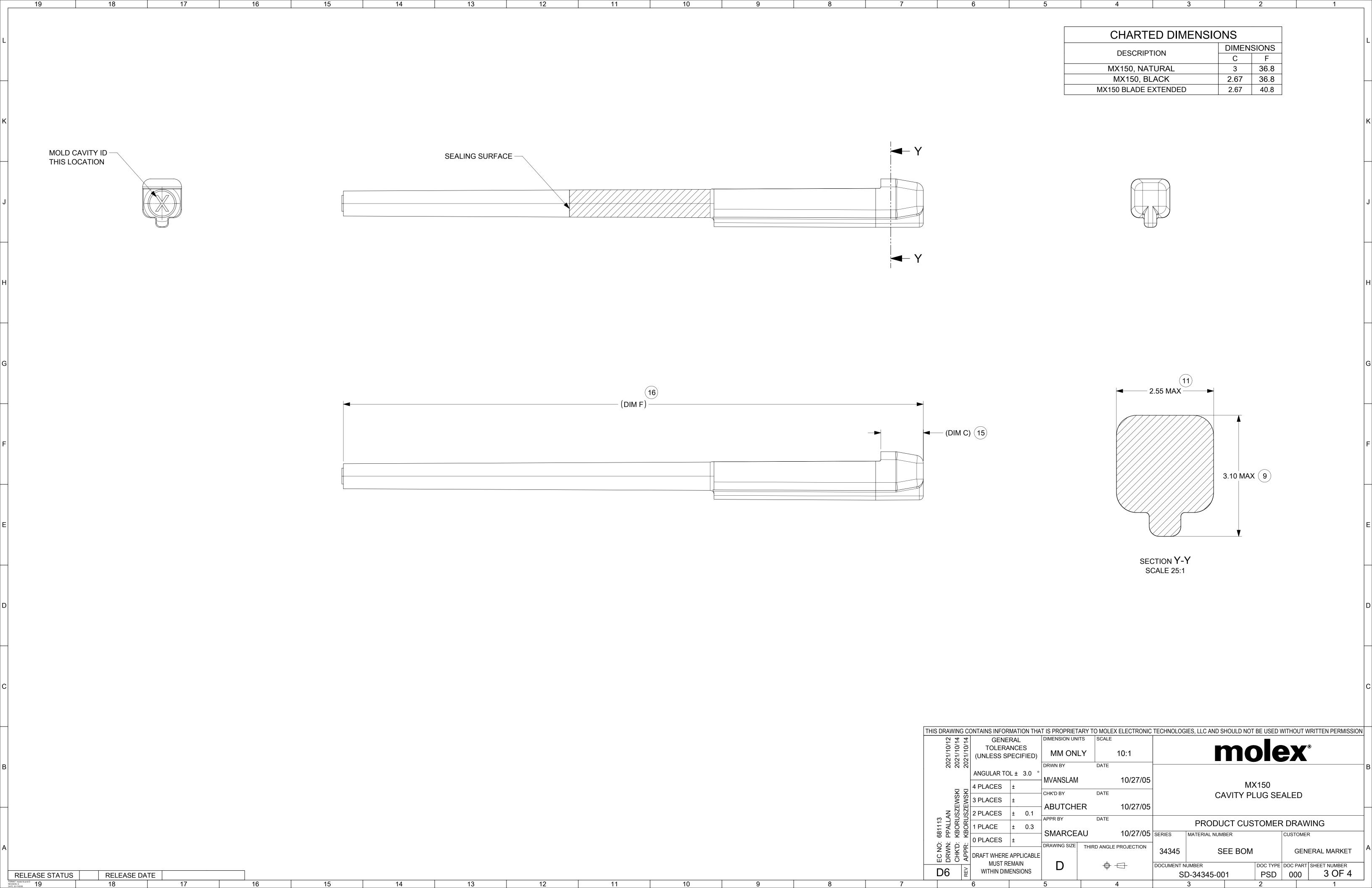
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		2.80	+	0.07	- [0.07	2.730	2.752	2.754	2.748	2.768	2.760	2.757	2.758	2.737	2.761	2.748	2.737	2.750	VS	13		
			+		- [Cav6B	Cav7B	Cav8B	Cav1C	Cav2C	Cav3C	Cav4C	Cav5C	Cav6C	Cav7C	Cav8C	Cav1D	Cav2D				
		2.80	+	0.07	-1	0.07	2.747	2.750	2.751	2.748	2.767	2.751	2.750	2.753	2.747	2.756	2.749	2.736	2.749	vs	13		
			+		- 1		Cav3D	Cav4D	Cav5D	Cav6D	Cav7D	Cav8D	Cav1E	Cav2E	Cav3E	Cav4E	Cav5E	Cav6E	Cav7E				
		2.80	+	0.07	1-1	0.07	2.733	2.740	2.749	2.739	2.731	2.732	2.739	2.751	2.738	2.735	2.742	2.743	2.733	vs	13		
			+		-1		Cav8E	Cav1F	Cav2F	Cav3F	Cav4F	Cav5F	Cav6F	Cav7F	Cav8F	Cav1G	Cav2G	Cav3G	Cav4G				
		2.80	+	0.07	1-1	0.07	2.732	2.744	2.755	2.759	2.750	2.759	2.752	2.757	2.756	2.746	2.758	2.744	2.746	vs	13		
			+		-1		Cav5G	Cav6G	Cav7G	Cav8G	Cav1H	Cav2H	Cav3H	Cav4H	Cav5H	Cav6H	Cav7H	Cav8H					
		2.80	+	0.07	1-1	0.07	2.762	2.758	2.755	2.750	2.735	2.754	2.746	2.743	2.754	2.746	2.753	2.749		vs	12		
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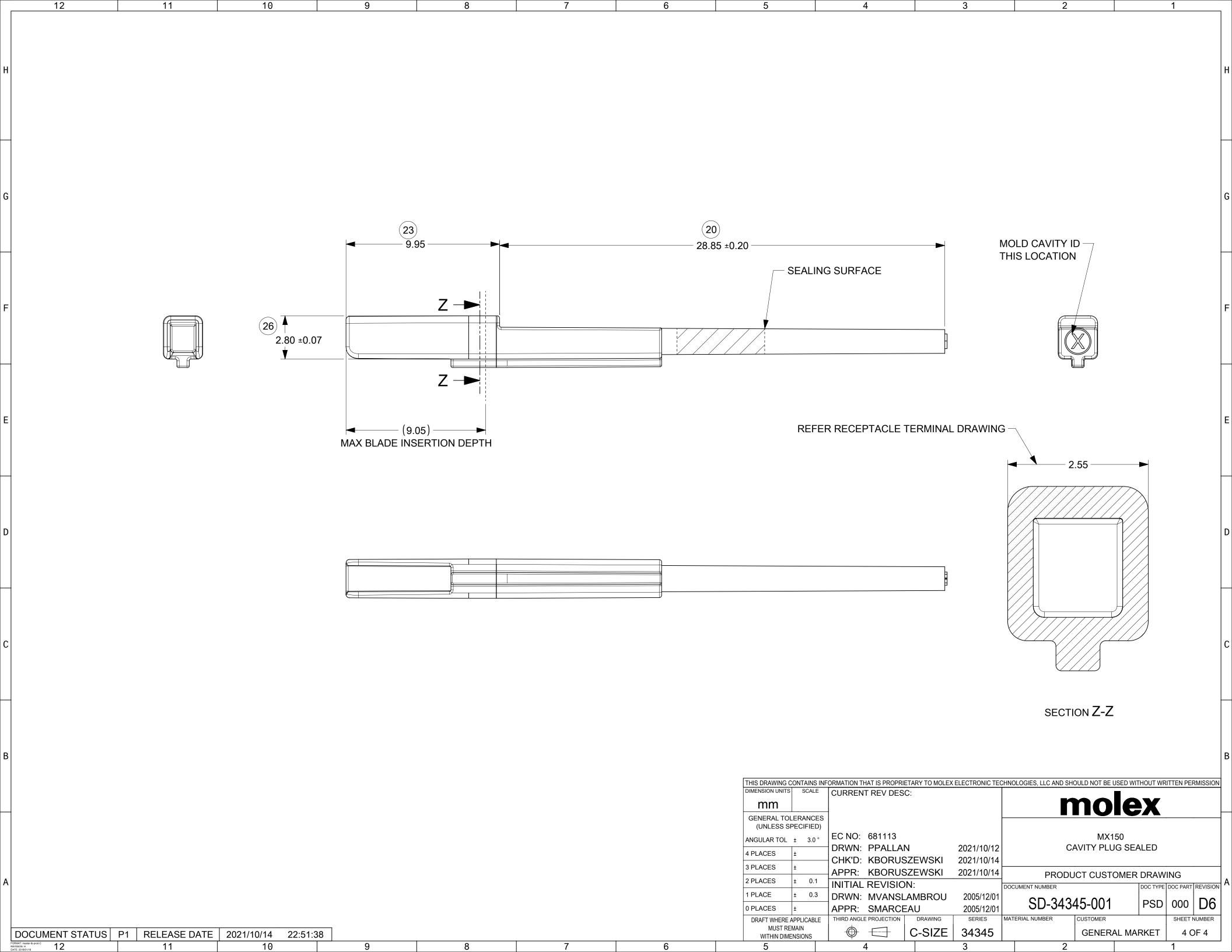
Quality Inspection Report QWF-0018 08/25/2015]

	TABLE OF CONTENTS				BILL C	F MATERIAL	S (BOM)	
SHEET NO.	SHEET DESCRIPTION			DESCRIPTION MY150 BLADE NATURAL	PART NUMBER	COLOR	STATUS	MATERIAL
1 2	NOTES AND BOM CONFIGURATIONS			MX150 BLADE, NATURAL MX150 BLADE, BLACK	34345-0001 34345-0002	NATURAL BLACK	SALEABLE PLANNED	PBT PBT
3	BLADE CAVITY PLUG DETAIL	NOTES: VALID UNLESS OTHERWISE SPECIFIC	IED	MX150 BLADE EXTENDED	34345-0003	BLACK	OBSOLESCENCE SALEABLE	PBT
4	RECEPTACLE CAVITY PLUG DETAIL	1. GENERAL:		MX150 RECEPTACLE		STONE GRAY	SALEABLE	SPS PA66
J		a. APPLICATION SPECIFICATION SEE: AS-334 - COMPONENTS ARE OPTIONAL AND MUST - FOR ASSEMBLY INSTRUCTIONS SEE THE - SEAL PLUGS ARE NOT TO BE USED TO RI b. PRODUCT SPECIFICATION SEE: N/A c. PACKAGING SPECIFICATION PER MOLEX I d. PARTS MUST BE IN COMPLIANCE TO MOL PRODUCTS AND PACKAGING SPECIFICAT e. DATA MUST BE SUBMITTED UNDER THE N (COMPANY ID#13255)	T BE PURCHASED SEPERATELY E APPLICATION SPECIFICATION REPLACE SHORTING BAR TERMINALS. DRAWING: PK-31300-438 LEX CHEMICAL SUBSTANCES FOR TION: QEHS-699000-300					J
		2. DESIGN - MATERIALS: a. MATERIAL: SEE TABLE						
		3. DESIGN - GEOMETRY:						
Н		 a. ALL GRAPHIC DATA IS BASIC (NO TOLERA THE DATA FILE AT ITS LATEST REVISION. b. GEOMETRIC DIMENSIONS AND TOLERANC c. THE BASIC DIMENSIONS OF THE COMPONE 	CES PER ASME Y14.5M - 2009 NENT ARE DEFINED BY THE 3-D CAD DATA.					Н
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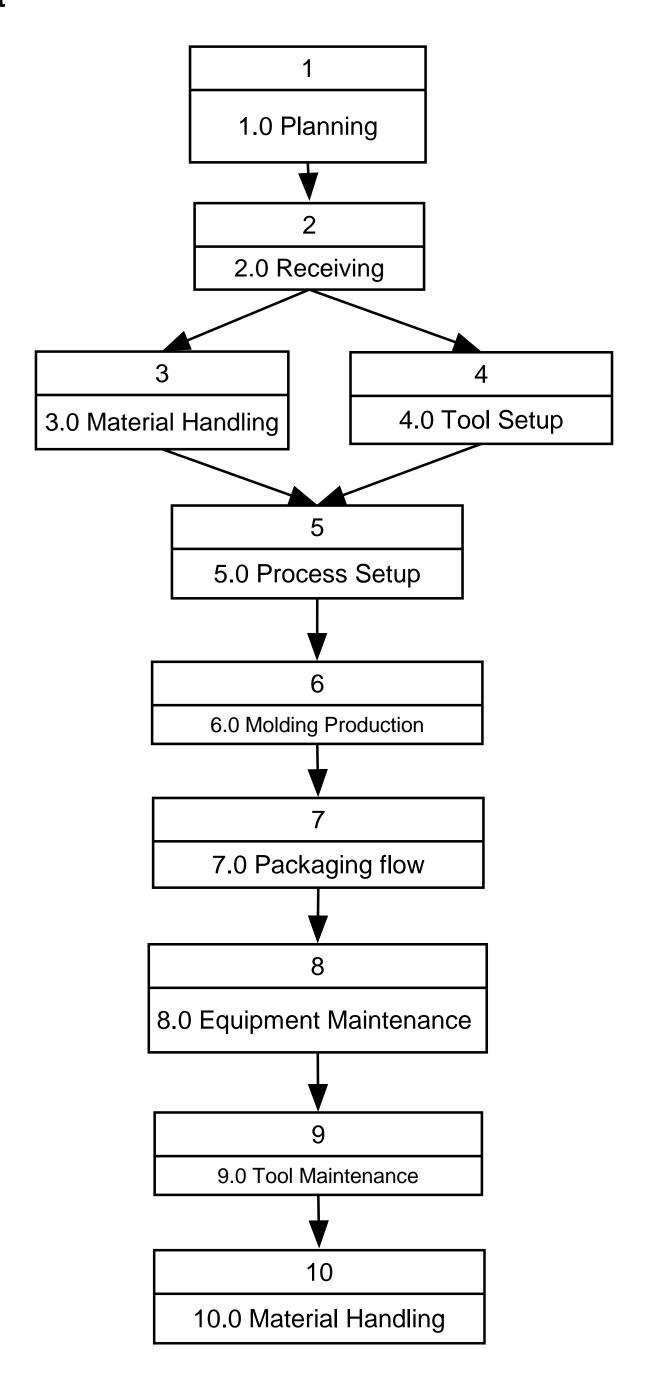
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Flow Chart





Prototype Pre-Launch Production [X Key Contact: Todd Krofta Phone: 402-458-8842 Supplier/Plant: Molex Lincoln/Upland Supplier

Code:

Control Plan Number: MWCP001 Part Number: MWCP001: Date (Orig): 29-Jan-1997 Date (Rev.): 22-Sep-2015 Cust. Eng. Apprvl.: Date: Cust. Qual. Apprvl: Date:

Supplier/Plant Apprvl: Craig Wollmann Date: 06-Jan

-2015

Quality Apprvl: Todd Krofta Date: 06-Jan-2015

Eng. Apprvl: Date:

Control Plan

Core Team Members: Craig` Wollmann; Jeremy Olson; Ryan Lang; Todd Krofta; Kyle Gregory; Jeff Gardner

Process Name	Process Step	Machine, Device, Jig, Tools for	No.	Product	Process	Special Char. Class	Product/Process Specification/ Tolerance	Evaluation/ Measurement Technique		mple	Control Method	Reaction Plan
		Mfg.							Size	Freq.		
1.0 Planning	Planner reviews SAP orders, schedules, and releases work orders	N/A			Process Step		Timely production work order per SAP system and plant					
2.0 Receiving	Receive raw material into plant 3104	N/A	Per MWSAP- M009 Work Instruction	Material Specifications	Material Certification		Per Raw material Specifications	Material Certification Validation	1	per received material lot	Conformance to specification, record in SAP	Impound material and contact QE per MWSAP-M009 and disposition per MHMW112
	Store raw material in ASRS	N/A	Per MHMW143 Work Instruction		Storing Material to ASRS		Per SAP/ESKAY systems	N/A	1	Per Contain er	Conform to process requirements	Impound material and contact QE per MWSAP-M009 and disposition per MHMW112
3.0 Material Handling	Pull raw material	N/A	Per MHMW116 Work Instruction				Verify correct material to manfacturing work order	SAP Zlot transaction	1 per contain er	Start up and during run, and material changes	Scanning bar code labels and Zlot	Hold material in ASRS,/ QC Hold area for disposition per MHMW112, Get new material, notify production for product quarantine per CW031
	Material loaded into portable system	Portable material handling system, material dryers	Per MHMW116 Work Instruction		Blending and Drying		Per MHMW123, MHMW127, MHMW116, and MHMW124, work instructions	Visual, QC, or Operator inspection, thermocouple timer and dewpoint reader, material saver mode	1	Per containe r	Conformance to work instruction, e-dart monitoring, moisture analyzer, and inspection standards	Reblend, redry, or Impound material and contact QE per MSWAP-M009, notify production for product quarantine per CW031
	Load material	Central	Per MHMW116		Blending and		Per MHMW123,	Visual, QC, or	1	Continu	Conformance to work instruction, e-dart	Reblend, redry, or Impound material



Prototype Pre-Launch Production [X Key Contact: Todd Krofta Phone: 402-458-8842 Supplier/Plant: Molex Lincoln/Upland Supplier Code:

Control Plan Number: MWCP001 Part Number: MWCP001:

Date (Orig): 29-Jan-1997 Date (Rev.): 22-Sep-2015

Cust. Eng. Apprvl.: Date: Cust. Qual. Apprvl: Date:

Supplier/Plant Apprvl: Craig Wollmann Date: 06-Jan

-2015

Quality Apprvl: Todd Krofta Date: 06-Jan-2015 Eng. Apprvl: Date:

Process Name	Process Step	Machine, Device, Jig, Tools for	No.	Product	Process	Special Char. Class	Product/Process Specification/ Tolerance	Evaluation/ Measurement Technique		mple	Control Method	Reaction Plan
		Mfg.							Size	Freq.		
	into central	material	Work		Drying		MHMW127,and	Operator		ous	monitoring, moisture	and contact QE per
	system	handling	Instruction				MHMW116,	inspection,		system	analyzer, and inspection standards	MSWAP-M009, notify production
		system,					work	thermocouple		or per	inspection standards	for product
		material					instructions	timer and		containe		quarantine per
		dryers						dewpoint		r		CW031
								reader,				
								material				
								saver mode				
	Grinder Set-up	Material	Per MHMW117		Grinding		Per MHMW117	Visual	1	Continu	Conformance to work	Impound material
		Grinders	Work				work instructions			ous	instruction, e-dart monitoring, moisture	and contact QE per MSWAP-M009,
			Instruction							system	analyzer, and	disposition per
										or per containe	inspection standards	MHMW112, notify
										r		production for product quarantine
												per CW031
4.0 Tool	Select tool for set				Process Step						N/A	N/A
Setup	-up in shop floor											
	Review previous				Process Step						N/A	N/A
	submission sheet											
	and shop floor											
	continuation journal											
	,				Process Step						N/A	N/A
	Complete tool repair or PM.				Process Step							14/7
	Complete tool Set	Mold ner	Per TW101	Correct Setup	Priority List		Per tool specific	Visual	1	Per	Conformance to work	Re-setup and
	'	specific	Work	Correct Cetap	1 Hority List		work instructions	Visual		setup	instructions, product	record, notify
	'	EDP	Instruction				(mold number),			155.5	prints, and mold	production for
							product prints,				records, record on submission sheets	product quarantine per CW031
							and mold prints					'
5.0 Process	Hang mold, set	Molding	Per MW005	Correct Setup			Per process	Visual	1	Per	Conformance to work	Re-setup and
Setup	up support	press	Work				sheet			setup	instructions, product prints, and mold	record, notify production for
	equipment and	per work	Instruction								records, record on	production for product quarantine
	print Labels	order									submission sheets	per CW031



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Process Name	Process Step	Machine, Device, Jig, Tools for Mfg.	No.	Product	Process	Special Char. Class	Product/Process Specification/ Tolerance	Evaluation/ Measurement Technique	Sa Size	mple Freq.	Control Method	Reaction Plan
		and process sheet or optimizat ion book										
	Process set-up	Molding press per work order and process sheet or optimizat ion book.	Per MW036 Work Instruction	Correct Setup	Pressures Temperatures, Time Positions		Per process sheet	Pressure gauges, Thermo- couples, Timers, Location of switches, on individual molding press; edart template per mold	1	Setup and process change	Compare to inspection std and submission sheet, record changes on submission sheet. Operator to verify material status with material handler.	Adjust process parameters if process problem, notify maintenance or tool room for other problems; notify production for product quarantine per CW031
	Operator set-up inspection		Per MW005 Work Instruction	SAP inspection operation 005			SAP inspection operation 005	All gauges, visuals and functionals per SAP	1 shot	Setup	Compare with specifications in SAP, record on submission sheet and in SAP	Adjust process parameters if process problem, notify maintenance or tool room for other problems; notify production for product quarantine per CW031
6.0 Molding Production	QC set-up inspection		Per CW005 Work Instruction	Setup inspect characteristics per SAP operation 010 or 020			SAP inspection operation 010 or 020	visuals and functionals per SAP.	one for function als, one for	upon submissi on after each rejection	Compare with specifications in SAP. Record on submission sheet, SAP, and setup SPC chart if applicable	Reject process, record on submission sheet, notify Operator, product quarantine per CW031
	Operator in process		Per MW016 Work	Gage and visual product			Special gages per edp	Visual and special gages	1 shot	Prior to stampin	Compare with specifications in SAP.	Reject process, record on



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Eng. Apprvl: Date:

Process Name	Process Step	Machine, Device, Jig, Tools for Mfg.	No.	Product	Process	Special Char. Class	Product/Process Specification/ Tolerance	Evaluation/ Measurement Technique	Sa Size	mple	Control Method	Reaction Plan
	inspection		Instruction				operation 005 inspection characteristics			g labels		submission sheet, notify Operator, product quarantine per CW031
	QC in process inspection		Per CW003 Work Instruction	Daily inspection characteristics per SAP operation 020			SAP inspection operation 020	All gauges, visuals and functionals per SAP	1	Every press once a day while running	Compare with specifications in SAP, record in SAP.	Reject process, record on submission sheet, notify Operator, product quarantine per CW031
	Confirmations		Per CW007 Work Instruction	Critical functional attributes; Verify labels and packaging			0 defects	Visual	1	When required by SAP	Compare with specifications in SAP, record in SAP.	Reject process, record on submission sheet, notify Operator, product quarantine per CW031
	Submit to QC for EOR or Continuation Inspection and complete FGA if needed (Operation 0040 and 0010)		Per CW007 Work Instruction	Critical functional attributes; short shots and broken inserts			0 defects	Per Work Instructions	1 shot	End of work order	Visual inspection, do EOR operation 0040 in SAP	Reject process, record on submission sheet, notify Operator, product quarantine per CW031
	Annual Layout Review		Per applicable WI	Layout to customer dwg			As applicable	Submission to metrology	1 shot	Yearly	Layout disposition	Appropriate corrective actions such as molding process validation or tool refurbishment or repair.
7.0 Packaging flow	Package and confirm packed SPQ in SAP and perform FGA as needed		Per Mii Work Instruction and BOM	Correct package configuration			Per EDP specific work instructions	Visual and weigh count	1	100%	Visual Inspection and conformance to work instructions	Report to QC, QC Tech or QE and Operator, product quarantine per CW031



Prototype Pre-Launch Production [X Key Contact: Todd Krofta Phone: 402-458-8842 Supplier/Plant: Molex Lincoln/Upland Supplier Code:

Control Plan Number: MWCP001 Part Number: MWCP001: Date (Orig): 29-Jan-1997 Date (Rev.): 22-Sep-2015

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Quality Apprvl: Todd Krofta Date: 06-Jan-2015 Eng. Apprvl: Date:

Process Name	Process Step	Machine, Device, Jig, Tools for	No.	Product	Process	Special Char. Class	Product/Process Specification/ Tolerance	Evaluation/ Measurement Technique	Sa Size	mple	Control Method	Reaction Plan
	Off line sorting	Mfg.							Size	Freq.		
0.0			D. A. B. ala	0	D		D	D	4	D. OAD	Correct times,	Re-do maintenance
8.0	Planned and		Per Applicable	Correct times,	Press			Pressure	1	Per SAP	pressures, and	repair, or preventive
1 ' '	Unplanned		Equipment Work	pressures,	maintenance		instructions and	gauges,		maintain	temperatures	maintenance, notify
Maintenanc	Maintenance		Instruction	and temperatures	history data, SAP PM		press manuals.	Thermo- couples,		ance work	,	Operator, product
6			Instruction	terriperatures	modules input,			Timers		order.		quarantine per
					press type			Timors		order.		CW031
9.0 Tool	Planned and	Grinders	Per TW101,	Correct tool	Shop floor		Per tool work	Visual or per	per	PM	SFC PM Flag,	Re-do maintenance
Maintenanc	Unplanned	, Mills,	TW102, and	setup, tool	priority list		instruct ons	appropriate	Tool	schedul	conformance to work	repair, or preventive
	Maintenance	EDMs,	TW108 work	repair or PM	, ,		(mold number),	measuring		e per	instructions, product	maintenance, notify
		Sonic	Instructions	clean			product prints	device		continua	prints and mold prints, record or submission	Operator, product guarantine per
		Cleaning					and mold prints			tions	sheet	CW031
		, Bathes,								master		
		Measure								schedul		
		ment								e or		
		Devices,								repair as		
		Time Systems								needed		
10.0	Breakdown	Material	Per MHMW110	Correct	Store material	-	Per WI	Visual by	Contain	End of	Visual Inspection	Re-do tear down,
	material setup	Dryers,	Work	material	in Eskay and		rei Wi	I	er	work	viodai iliopoolioii	notify Operator,
		Grinders	Instruction	IIIalellal	cleaning			Handler		order or		product quarantine
	material to	Cilidois	moudouon		Cicaring			i idildici		prior to		per CW031
	inventory									new set		
										up		



Molex Confidential



MOLEX INC. 700 UPLAND LINCOLN NE 68521 USA

The Verst Group Ticona Polymers 1100 Burlington Pike FLORENCE KY 41042 USA

Type 4 Certificate of Analysis

CELANEX 3300-2 ED3002 BLACK M0

 Customer Part No.:
 0899920268
 Cert Issue Date:
 09 Jan 2022

 Formula No.:
 3300-2
 Qty Shipped:
 2,000.000 KG

 Catalog:
 20003905
 Order Item /date:
 2534878 10 / 31 Aug 2021

 Color No.:
 ED3002
 Delivery item/date:
 87368660 900001 / 12 Jan 2022

Produced at: Florence, KY, USA Account #: 2066402

Customer PO No.: 1007957462

Rail car: See Senders Inst.

Batch 0001297674

In reference to the above, this is to advise you that this is a standard product and meets the following requirements:

SPECIFICATIONS: GMP.PBT.010				
BATCH RELEASE DATA		UoM	Value	Limit
Date when Batch Was Produced			20191230	
Ash Content		%(m)	29.87	28.00 - 32.00
Melt Flow Rate (MFR)	(ISO 1133-1, ASTM D1238)	g/10min	18.10	12.00 - 23.00
ANNUAL TESTS (REVISED ON)		UoM	Value	Limit
Density (14 Feb 2021)		g/cm³	1.535	1.500 - 1.560
Melt Point @ 10 deg/min (14 Feb 2021)		°C	224.6	221.0 - 231.0
DTUL @ 1.8MPa (14 Feb 2021)		°C	207.0	min. 190.0
Flexural modulus (14 Feb 2021)		MPa	9736	min. 8400
Izod Notched Impact Strength (14 Feb 202	21)	kJ/m²	9.55	min. 6.40
Tensile Stress at break (14 Feb 2021)		MPa	137.8	min. 116.0

COMMENTS

FOR USE WITH HB6086 AND HB6087

These test data are determined based on standard ISO and/or ASTM testing procedures.

Polyester Global Business Line

If you have questions regarding this letter, please call your Customer Service Team at 800-526-4960.



3000 Town Center, Suite 2820,,Southfield,MI 48075 USA, TEL: 248-355-9590 FAX: 248-355-9330

Certificate of Analysis

To whom it may concern

We hereby certify that the following commodity has been tested by us and its quality corresponds to the description as mentioned below.

Product Name/Grade/Color No./Package	Xarec N WA 7030-02 CJ78	1101 Stone Gray	
Lot No.	KJ2001QCJ1	Lot Size	2,220.000 kg
Customer Part No.	899921451	Delivery Date	02/22/2022
PO No.	1008736033	Sales Order	1100014984
Customer Name	Molex		

Properties	Testing Method	Unit	Specification	Test Result
Ash Content	ISO 3451-1A	%	28.00 - 32.00	30.70
Tensile Strength, Break	ISO 527,	MPa	> 150.00	170.00
Tensile Elongation,Break	ISO 527,	%	> 2.20	2.70
Melt Viscosity T5, 400sec-1	DOWN 101821	Pascal sec	108.00 - 224.00	133.00
Melt Viscosity T10, 400sec-1	DOWN 101821	Pascal sec	68.00 - 199.00	108.00

Idemitsu Chemicals U.S.A. Corporation

Date: 02/16/2022

Ryomke Londo