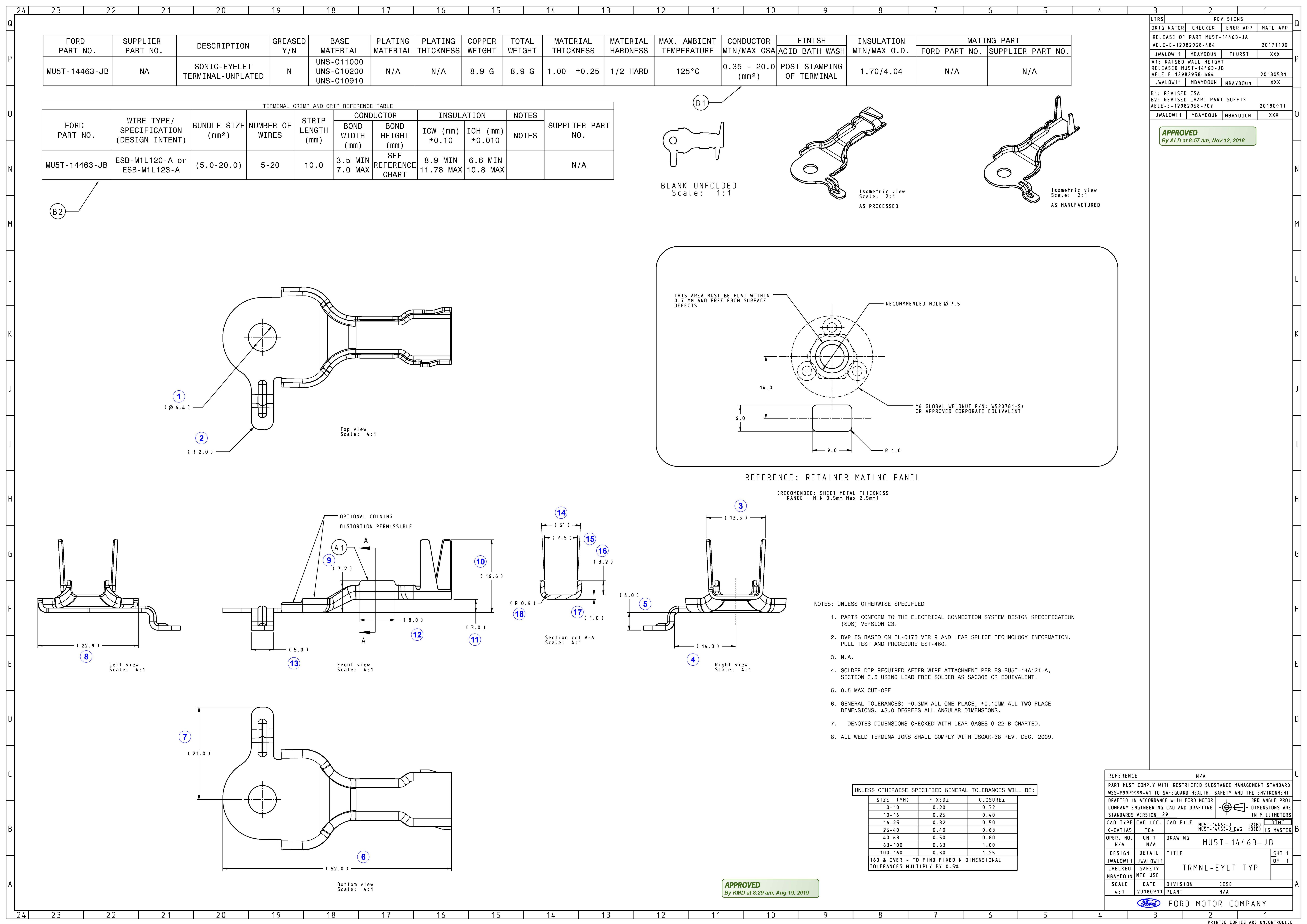






							Part Su	011112210	Jii vvarrani		
Part Name Eyelet Terminal -	Looso Parts					Cust Part Nu	mber MU5T-14	1462 IB			
	MU5T-14463-	·IB					mber_MU5T-14				
Engineering Change Level B2	<u> </u>	30				-	d 9/11/2018	1403 75			
Additional Engineering Changes	N/A					Date					
Safety and/or Government Regulation		Yes X I	No	PURCHASE (ORDER	Jule	<u> </u>	Weio	ght (kg) 0.0087		
Checking Aid No. N/A			Checking Aid En			١		. Da	· -		
ORGANIZATION MANUFACTURIN	NG		eneeming / ma in		TOMER SUBM		PMATION .	24			
INFORMATION Royal Power Soluti	ions (1185326	549)			SAN OTOMOT		WAIION				
Supplier Name & Supplier/Vendor	Code				tomer Name/D						
125 Mercedes Drive					AS, Gulcin						
Street Address Carol Stream	IL	60188	USA		er/Buyer Code						
					motive						
City	Region	Postal Code	Country	Арр	lication						
MATERIALS REPORTING											
Has customer-required Substances of	of Concern in	formation been rep	orted?		X Yes		No				
Submitted By IMDS or other cu	stomerForma	nt:		108	36110461 / 1						
Are polymeric parts identified with a	appropriate IS	O marking codes?				Yes		No	[Х	n/a
REASON FOR SUBMISSION											
Initial Submission				Г	٦						
Engineering Change(s)				L	¬		Construction or	Material			
Tooling: Transfer, Replaceme	nt, Refurbish	ment, or additional			¬ ∵	in Part Proce	Source Change				
Correction of Disprepancy				-	¬		ditional Locatio	ın			
Tooling Inactive less than 1 y	/ear			Ī	=	Submission	aitional Locatio	"1			
				Ī	.	please specify	y below				
				<u>P</u>	PAP Required	to add TK, Tia	nshen and Wie	land to the s	supply chain.		
	Level 2 - V Level 3 - V Level 4 - V	Warrant only (and fo Warrant with produ Warrant with produ Warrant and other r Warrant and produc	ct samples and lim ct samples and cor requirements as de	nited supporting mplete support efined by custor	g data submitt ing data subm mer.	ed to custome	er. mer.		er.		
Submission Results											
	imensional M	leasurements	Material and F	unctional Tests	appea	rance criteria		Statistical F	Process Package		
These results meet all design record			_	es [_	No	(If "NO" - Ex		•		
Mold/Cavity/Production Process			Stamping	[(* ***	,			
DECLARATION I affirm that the samples represented Requirements. I further affirm that the for review. I have noted any deviation Explanation/Comments	nese samples ons from this o	were produced at t	the production rate	e of 57600.00 /	8 hours. I also						
Is each Customer Tool properly tage	ned and num	hered?		Yes			No		Х	N/A	
, 3.	-			163			110				
Organization Authorized Signature	Ribota, Lic	ala							Date <u>12/13/2024</u>	+	
Print Name Ribota, Lidia			P	hone No. <u>847-</u>	873-3662			Fax No			
Title Quality Analyst		E-mail <u>LRib</u>	oota@royaldie.com	1							
			FOR	CUSTOMER U	JSE ONLY						
Submittal Disposition											
Pending					PPA	Required					
PPAP Approved					Inter	im					
Rejected					Expi	red					
Other					Cano	elled					
Customer Signature									Date		
Print Name					Cust	omer Tracking	g Number (opti	onal)			



Production Part Approval Dimensional Test Results







ORGANIZATION: PCC - Carol Streams - Production SUPPLIER/VENDOR CODE:

INSPECTION FACILITY: PCC - Carol Streams - Production

ADDITIONAL REMARKS:

PART NUMBER: MU5T-14463-JB

PART NAME: Eyelet Terminal - Loose Parts DESIGN RECORD CHANGE LEVEL: B2

ENGINEERING CHANGE DOCUMENTS:

ITEM	DIMENSION / SPECIFICATION	SPECIFICATION / LIMITS	TEST DATE	QTY. TESTED			ZATION ME RESULTS (ENT	REMARKS	ок	NO1 OK
1-[Internal]	Diameter 6.4	6.70 mm 6.10 mm	11/18/2024	5	6.40	6.40	6.40	6.40	6.40		Х	
10-[Internal]	Crimp height 16.6	16.90 mm 16.30 mm	11/18/2024	5	16.49	16.51	16.54	16.57	16.57	16.76 16.74 16.80 16.79 16.76	х	
11-[Internal]	Bend height 3.0	3.30 mm 2.70 mm	11/18/2024	5	2.97	3.08	3.07	2.99	3.01		Х	
13-[Internal]	Tab width 5.0	5.30 mm 4.70 mm	11/18/2024	5	5.05	5.06	5.07	5.03	5.07		Х	
3-[Internal]	Wing width 13.5	13.80 mm 13.20 mm	11/18/2024	5	13.73	13.74	13.68	13.64	13.70		Х	
4-[Internal]	Tab bend location 14.0	14.30 mm 13.70 mm	11/18/2024	5	13.91	13.95	13.97	13.97	13.93		Х	
5-[Internal]	Tab height 4.0	4.30 mm 3.70 mm	11/18/2024	5	3.96	3.96	3.96	3.94	3.96		Х	
6-[Internal]	Part length 52.0	52.30 mm 51.70 mm	11/18/2024	5	52.08	52.10	52.08	52.06	52.07		Х	
7-[Internal]	Diameter to tab end 21.0	21.30 mm 20.70 mm	11/18/2024	5	20.98	20.97	20.96	20.97	20.97		Х	
8-[Internal]	Part width 22.9	23.20 mm 22.60 mm	11/18/2024	5	22.92	22.96	22.96	22.97	22.97		Х	П
9-[Internal]	Middle tab height 7.2	7.50 mm 6.90 mm	11/18/2024	5	7.21	7.20	7.20	7.20	7.22	7.29 7.33 7.31 7.33 7.31	Х	
Material	C110	Attribute	11/18/2024	1	Pass					n/a	Х	Т
Note 1	Parts conform to the electrical connection system design specification (SDS) version 23.	Attribute	11/18/2024	1	Pass					n/a	x	
Note 2	DVP is based on EL-0176 VER 9 and Lear splice Technology information. Pull test and procedure EST-460	Attribute	11/18/2024	1	Pass					n/a	x	
Note 3	N/A	Attribute	11/18/2024	1	Pass						Х	
Note 4	Solder dip required after wire attachment per ES-BU5T-14A121-A, section 3.5 using Lead free solder as SAC305 or equivalent.	Attribute	11/18/2024	1	Pass					n/a	х	
Note 5	0.5 max cut-off	Attribute	11/18/2024	1	Pass						Х	
Note 6	General tolerances +/- 0.3 mm all one place, +/- 0.10mm all two place dimensions, +/- 3.0 degrees all angular dimensions.	Attribute	11/18/2024	1	Pass						х	
Note 7	Denotes dimensions checked with Lear gages G-22-B charted	Attribute	11/18/2024	1	Pass					n/a	x	
Note 8	All weld terminations shall comply with USCAR-38 Rev. Dec 2009.	Attribute	11/18/2024	1	Pass					n/a	x	
2	Tab radius (2.0)	Attribute	11/18/2024	1	Pass					2.04,2.0,2.0,2. 03,2.01	X	
12	Middle tab widht (8.0)	Attribute	11/18/2024	1	Pass					9.13 9.11 9.09 9.12 9.10 9.11 9.15 9.10 9.09 9.15	v	
14	Angle (6°)	Attribute	11/18/2024	1	Pass					10.91 10.80 10.63 10.85 10.91	X	
15	Width (7.5)	Attribute	11/18/2024	1	Pass					7.198 7.196 7.196 7.20 7.195	X	
16	Height (3.2)	Attribute	11/18/2024	1	Pass					3.29 3.29 3.29 3.27 3.28	X	
17	Thickness (1.0)	Attribute	11/18/2024	1	Pass					1.014 1.024 1.045 1.014 1.031	х	
18	Radius (0.9)	Attribute	11/18/2024	1	Pass					.82 1.14 1.15 .858 1.20 .85	Х	

MARCH 2006 **CFG-1003**

SIGNATURE TITLE DATE

Andres Lopez Quality Technician 11/18/2024

wieland

CERTIFICATE OF CHEMICAL AND MECHANICAL TESTS



WIELAND ROLLED PRODUCTS NORTH AMERICA MILL PRODUCTS

305 LEWIS & CLARK BLVD.

EAST ALTON, IL 62024

ORDER ENTRY DATE CUSTOMER ORDER NUMBER

09/01/22 037765-1

CUSTOMER SPECIFICATION NUMBER

0394X2.5001102P

22019662 - PAGE 1

ITEM/ ARTICLE NO.	ORDER NO.
048464A	B64811
DATE SHIPPED	NET QTY SHIPPED
11/03/22	9,488

SOLD TO

ROYAL DIE & STAMPING

CO INC

125 MERCEDES DR.

CAROL STREAM

IL 60188

ROYAL DIE & STAMPING CO 125 MERCEDES DR.

CAROL STREAM

IL 60188

.03940

2.5000

H02

1100

STRIP

THICKNESS IN INCHES

WIDTH IN INCHES

PROPERTIES & CHEMISTRY

SHIP TO



COMMENTS:

11/03/22 075659

We hereby certify that the product described in this report has been tested and the results of those tests are shown above. Sam Waldo PE Manager

DATE 11/03/22

MACRO #105 (5/08)

REVERE COPPER PRODUCTS, INC.

ASHLEY MOORE ADDRESS INQUIRY

ONE REVERE PARK

ROME, NY 13440-5561

PAGE 1 REVERE NO

REPORT DATE

09/17/2024

75396

EN 10204:2004-3.1

ı	CUSTOMER DATE	CUSTOMER ORDER NUMBER	1
ı	04/29/2024	5400716160	ŀ
ı	CUSTOMER CODE	CUSTOMER PART NUMBER	1
	148035070	CITET.BUU943	l

CERTIFICATE OF TEST

SOLD TO

TKMNA COPPER AND BRASS SALES

ATTN: ACCOUNTS PAYABLE

P O BOX 5116

SOUTHFIELD MI 48086-5116

SHIP TO TKMNA COPPER AND BRASS SALES 469 WOODCREEK DRIVE BOLINGBROOK, IL 60440

ITEM NO. DESCRIPTION

C3901 REVERE C11000 H02 TEMPER STRIP ASTM B152 COUNTERCLOCKWISE

16"ID X 450 PIW COILS(400-550)

.0395" X 12" X COILS

(+/-.0005") 3-ID BANDS REQ

ALLOY:C11000 TEMPER:H02 1/2 Hard SPECS ASTM B152/B152M-24

CHEMICAL ANALYSIS

HEAT#/LOT CU *26718801 99.96%

*267188 99.96%

CU INCLUDES- +Ag

PHYSICAL ANALYSIS

HEAT#/LOT	HARDNESS	TENSILE	YIELD	ELONG	COND
	RF	KSI	KSI	% IN 2"	%IACS
*26718801	86	44.8	39.5	12	100.2
*267188	86	44.8	39.5	12	100.2

WE CERTIFY THAT THE FOREGOING RESULTS ARE CORRECT AND THAT THIS MATERIAL HAS BEEN PROCESSED, INSPECTED, AND TESTED IN COMPLIANCE WITH THE REQUIREMENTS OF YOUR PURCHASE ORDER, AND WITH THE SPECIFICATION REQUIREMENTS OF THE STATED REVISION OR THE REVISION IN EFFECT ON THE DATE OF SHIPMENT IF NO REVISION IS STATED. THIS MATERIAL HAS NOT COME IN CONTACT WITH FREE MERCURY DURING THE MANUFACTURING PROCESS.

> Quality Assurance Manager Julie Z Jeannotte

Julie 3. frannotte

Heat / Lot numbers preceded by an asterisk were Melted and Manufactured in the U S A.



Certificate of Inspection

Material No.	lte	em	Alloy	C)imensic	ons (inch	1)	Temper	Net W			Lot No.	
RE0394X2.5001102P	Col	pper	C11000		0.039	4x2.5		H02	939	.16	Ze	6-241026-	03-02
		Cu	Р	Bi	Sb	As	Fe	Ni	Pb	Sn	s	Zn	0
a	Std	≥99.9			- Aller	_		A 4 //	_				
Chemical Composition	Result	99.986			1100	1	<u> </u>						
(%)		Mn	Al	Cd	Mg	С	Si	Cr	Ti			Others	
,,,,,	Std				1	/	-	//					
	Result							_					
	Ter	nsile				Yeild strength Electrical		Dimer (inc					
Mechanical& physical properties		ength mm²)	Elongation (%)		dness RF)		m^2)	Conductivity IACS (%)	Thickness	Width	Q	Quality Stan	dard
Std	255	~315		77	·~89	_	_	97.16Min	0.0386-0.0402	2.497-2.503			
Result	2	79			84	_		98.76	0.03906	2.4988		ASTM B1	52
Customer		Ro	yal Precisio	on Pro	ducts,I	LLC		Remarks: Mill Sheet No.	: A24100502	,			
	receipt	t and stor	and inspect the re them indoor	s and in	a dry pla	ace. If the	ere is			1 3 4 6	H ±	, *	
Instruction		•	fter acceptanc							大学 人 松下米	THAT	2	
	1		cate the mater checking.	riai Spec	incations	s,Batch N	0.			# B A # :	(2) 2: 田本	arr	
Checker (Seal)		: 2024.1						Onality D	epartment (Seal		7-14-9		

TSZ1-002-006-003



Certificate of Inspection

Material No.	Ite	em	Alloy		Dimensio	ns (inch)		Temper	Net W			Lot No.	
RE0394X2.5001102P	Cop	oper	C11000		0.039	4x2.5		H02	2290	0.58	Z	2 66-241026-0	5-02
		Cu	Р	Bi	Sb	As	Fe	Ni	Pb	Sn	s	Zn	0
.	Std	≥99.9			-	_		4/					
Chemical Composition	Result	99.989			/ / 10	1	e —		—				
(%)		Mn	AI	Cd	Mg	С	Si	Cr	Ti			Others	
(,0)	Std				1	/							
	Result					_							
	Ten	nsile				Yeild strength		Electrical	Dimer (inc				
Mechanical& physical properties	Stre	ngth nm²)	Elongation (%)		dness RF)		ım^2)	Conductivity IACS (%)	Thickness	Width	(Quality Stand	dard
Std	255·	~315		77	~89	_		97.16Min	0.0386-0.0402	2.497-2.503			
Result	2	68		8	30	_		99.67	0.0393	2.4984		ASTM B1	52
Customer		Ro	yal Precisio	on Pro	ducts,I	LLC		Remarks: Mill Sheet No.	: A24101638				
Instruction	receipt any ob	t and stor	and inspect the re them indoor fter acceptanc icate the mater	s and in	a dry pla e inform v	ice. If the	ere is			美華蘭州	州有源)	
Checker (Seal)	Weigh		checking.	I III Spec		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•		enartment (Seal	李品会集	中用意	"	

Checker

(Seal) /Date: 2024.11.09

Quality Department (Seal):



Certificate of Inspection

Material No.	Ite	em	Alloy		Dimens	sions (inch	1)	Temper	Net W			Lot No.	
RE0394X2.5001102P	Co	pper	C11000		0.0	394x2.5		H02	994	.27	Z	66-241026-04	-02
		Cu	Р	Bi	Sb	As	Fe	Ni	Pb	Sn	S	Zn	О
	Std	≥99.9			A CONTRACTOR OF THE PARTY OF TH	_		\					
Chemical Composition	Result	99.989			/ 12	/ - /-							
(%)		Mn	Al	Cd	Mg	С	Si	Cr	Ti			Others	
ν,,,	Std				1	/		_					
	Result												
				Yeild strength		Electrical	Dimer (inc						
Mechanical& physical properties		Strength mm ²)	Elongation (%)		rdness HRF)		m^2)	Conductivity IACS (%)	Thickness	Width	Quality Standard		
Std	255	~315		7	7~89	_	_	97.16Min	0.0386-0.0402	2.497-2.503		1 CFR 5 D4 5	
Result	2	60			77	_	_	99.70	0.3917	2.5		ASTM B15	2
Customer		Roy	al Precision	n Pro	ducts,	LLC		Remarks: Mill Sheet No.	: A24101455				
Instruction	receipt any obj	and store jection afte	d inspect the inthem indoors er acceptance, ate the materia	and in please	a dry pl	ace. If the	ere is o			() () ()	业集团有点		
		, etc. for c		1-						产品会	格专用		

Checker

(Seal) /Date: 2024.11.09

Quality Department (Seal):



Certificate of Inspection

Material No.	It	tem	Alloy		Dimens	sions (inc	h)	Temper	Net W	/eight os)		Lot No.	
RE0394X2.5001102P	Co	pper	C11000		0.03	394x2.5		H02	573	3.2	Z 60	6-241015-0	03-02
		Cu	Р	Bi	Sb	As	Fe	Ni	Pb	Sn	S	Zn	0
	Std	≥99.9		 —	_								
Chemical Composition	Result	99.985		-	نشد	1 - Po							
(%)		Mn	Al	Cd	Mg	С	Si	Cr	Ti			Others	
	Std			Y	-	/—\		_					
	Result												
		Yeild strength			trenath	Electrical	Dimension (in						
Mechanical& physical properties		Strength mm ²)	th Elongation (%)		Hardness (HRF)		m^2)	Conductivity IACS (%)	Thickness	Width	Quality Stand		dard
Std	255	5~315	/	77-	-89	_	_	97.16Min	0.0386-0.0402	2.497-2.503			
Result	2	277		8	2	_		98.3	0.03902	2.4992	1	ASTM B1	52
Customer	Royal Precision Products,LLC							Remarks: Mill Sheet No.	: A24100419	'			
Instruction	after re there is within	eceipt and s any obje two weeks	nd inspect the store them in ection after ac s, and indicat atch No. Weig	ndoors ceptan e the m	and in ce, ple nateria	a dry p ease info I	lace. If			大中開业	集明有限		

Checker

(Seal) /Date: 2024.11.09

Quality Department (Seal):



MANAGEMENT SYSTEM CERTIFICATE

Certificate no.: C685174

Valid: 12 November, 2024 – 11 November, 2027

IATF Certificate No: 0554754

This is to certify that the management system of

Royal Power Connections

125 Mercedes Drive, Carol Stream, IL, 60188, USA (USI: 36NW3X)

has been found to conform to the Quality Management System standard:

IATF 16949:2016

This certificate is valid for the following scope:

DESIGN AND MANUFACTURE OF PRECISION METAL STAMPINGS. THE ASSEMBLY OF COMPONENTS.

EXCLUSION: NONE

Place and date: Katy, TX, 13 November, 2024





For the issuing office:
DNV - Business Assurance
1400 Ravello Drive, Katy, TX, 774495164. USA



Sherif Mekkawy Management Representative



MANAGEMENT SYSTEM **CERTIFICATE**

Certificate no.: C685173

Initial certification date: 04 September, 2018 (by different Certification body) Valid: 12 November, 2024 - 11 November, 2027

This is to certify that the management system of

Royal Power Connections 125 Mercedes Drive, Carol Stream, IL, 60188, USA

has been found to conform to the Quality Management System standard:

ISO 9001:2015

This certificate is valid for the following scope:

Design and Manufacture of Precision Metal Stampings. The Assembly of Components.

Place and date: Katy, TX, 13 November, 2024







For the issuing office: DNV - Business Assurance 1400 Ravello Drive, Katy, TX, 77449-5164, USA



Sherif Mekkawy Management Representative



Laboratory Scope

Royal Power Solutions (Carol Stream) Quality Laboratory is qualified to perform the following inspection, testing and calibration activities. All other activities are performed by accredited outside laboratories.

Inspection/Test/Calibration	Equipment Used	Method and/or Standard Used
First Piece Inspection	Micrometers, Calipers, Indicators, Plug/Pin sets, Optical Comparators/Projectors, Vision and Touch Probe systems (Micro-	QSP-4.10.101
	Vu/OGP/Keyence), Dynes Solution, Force Gages, torque driver/wrenches and Profilometer	
In-process Inspection	Micrometers, Calipers, Indicators, Plug/Pin sets, Optical Comparators/Projectors, Vision and Touch Probe systems (Micro-Vu/OGP/Keyence), Dynes Solution, Force Gages, torque driver/wrenches and Profilometer	QSP-4.10.101
Quality Last Piece Inspection	Micrometers, Calipers, Indicators, Plug/Pin sets, Optical Comparators/Projectors, Vision and Touch Probe systems (Micro- Vu/OGP/Keyence), Dynes Solution, Force Gages, torque driver/wrenches and Profilometer	QSP-4.10.101
Calibrate Depth Micrometers	Jo Block Set, ID # 62444	QSP-4.11.118
Calibrate Drop Indicators	Jo Block Set, ID # 62444	QSP-4.11.110
Calibrate Digital Calipers	Jo Block Set, ID # 62444	QSP-4.11.116
Calibrate Dial Calipers	Jo Block Set, ID # 62444	QSP-4.11.114
Calibrate Height Gages	Jo Block Set, ID # 62444	QSP-4.11.111
Calibrate Outside Micrometers	Jo Block Set, ID # 62444	QSP-4.11.109
Calibrate Test / Drop Indicators	Jo Block Set, ID # 62444	QSP-4.11.114



This is to certify that the Quality Management System of:

Shanghai Tianshen Copper Group Co., Ltd.

No. 111, Tiantai Road, Xinbang Industrial Park, Songjiang District, Shanghai City, 201600, China (IATF USI: GE4T52)

applicable to:

The slitting of copper strips, copper sheets and steel strips, the manufacture of stamped parts

has been assessed and registered by NQA, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZX, UK

against the provisions of:

IATF 16949:2016

(Clause 8.3 product design of IATF 16949:2016 is justifiably excluded)

This registration is subject to the company maintaining a quality management system to the above standard, which will be monitored by NQA.

Managing Director

NQA Certificate No: IATF Certificate No: First Issue Date: Valid Until: Version: T86336 0485435 16 October 2023 15 October 2026





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ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATE

This is to Certify that the ENVIRONMENTAL MANAGEMENT SYSTEM of

Shanghai Tianshen Copper Group Co., Ltd.

Registered Address: No. 467, Sizhi Road, Xinbang Industrial Park, Songjiang District, Shanghai

Audit Address: No. 111, Tiantai Road, Xinbang, Songjiang District, Shanghai

has been assessed by NOA Certification and found to comply with

GB/T 24001-2016 idt ISO14001:2015

for the scope of

High-precision strip cutting (copper strip, aluminum strip, steel strip)

Certificate Number:

NOA2099256

Unified Social Credit Code:

9131000075477095XQ

Initial Certification Date:

31 Dec. 2019

Surveillance Audit Pass Label:



Surveillance 2 Audit Pass Label Surveillance 3 Audit Pass Label



Certification Manager









MSCB-261

Please scan the QR code above by WeChat to check certificate validity.

Certificate Issue Date: 06 Jan. 2023 Re-certification Audit Date: 14 Dec. 2022 Certificate Expiry Date: 30 Dec. 2025 Original Certificate Expeiry Date: 31 Dec. 2022

This certificate is issued by NOA Testing & Certification Group Ltd. The certificate holder shall perform the supervision and audit in accordance with the certification and accreditation rules and the certification contract, and affix a surveillance audit pass label to maintain the validity of certificate. To verify the validity of certificate, please visit our website (www.noagroup.com) or scan the QR code above by WeChat, or visit the CNCA website.(www.cnca.gov.cn)

NOA Testing & Certification Group Ltd.



QUALITY MANAGEMENT SYSTEM CERTIFICATE

This is to Certify that the QUALITY MANAGEMENT SYSTEM of

Shanghai Tianshen Copper Group Co., Ltd.

Registered Address: No. 467, Sizhi Road, Xinbang Industrial Park, Songjiang District, Shanghai

Audit Address: No. 111, Tiantai Road, Xinbang, Songjiang District, Shanghai

has been assessed by NOA Certification and found to comply with

GB/T 19001-2016 idt ISO9001:2015

for the scope of

High-precision strip cutting (copper strip, aluminum strip, steel strip)

Certificate Number:

NOA20101696

Unified Social Credit Code:

9131000075477095XQ

Initial Certification Date:

30 Apr. 2020

Surveillance Audit Pass Label:



Surveillance 2 Audit Pass Label





Certification Manager



ISO 9001 MANAGEMENT CERTIFICATION PICOCNITION ARRANGEMENT



MSCB-261



Please scan the QR code above by WeChat to check certificate validity.

Certificate Issue Date: 06 Jan. 2023

Certificate Expiry Date: 29 Apr. 2026

This certificate is issued by NOA Testing & Certification Group Ltd. The certificate holder shall perform the supervision and audit in accordance with the certification and accreditation rules and the certification contract, and affix a surveillance audit pass label to maintain the validity of certificate. To verify the validity of certificate, please visit our website (www.noagroup.com) or scan the QR code above by WeChat, or visit the CNCA website.(www.cnca.gov.cn)

CERTIFICATE OF REGISTRATION







Having been audited in accordance with requirements of

ISO 9001:2015 - ASQ/ANSI/ISO 9001:2015

SRI Quality System Registrar, 161 Thorn Hill Road, Warrendale, Pennsylvania, 15086, USA, hereby grants to:

thyssenkrupp Materials NA

Copper and Brass Sales Division Southfield, Michigan, USA thyssenKrupp Materials de Mexico Saltillo, Coahuila, Mexico

Registration of the management system at its locations:

Headquarters: Southfield, Michigan, USA

Bolingbrook, Illinois, USA Brownsburg, Indiana, USA Concord, Ontario, Canada Dayton, Ohio, USA Edmonton, Alberta, Canada Kennesaw, Georgia, USA Saltillo, Coahuila, Mexico Smithfield, Rhode Island, USA Surrey, British Columbia, Canada

The conditions for maintaining this certificate of registration are set forth in the SRI registration agreements R20.3 and R20.4. Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2015 requirements may be obtained by consulting the organization.

Scopes of ISO 9001:2015 registration:

(See registration appendix – pages 2 through 3)

Initial SRI Registration dates:

(See registration appendix - pages 2 through 3)

Current registration period:

September 15, 2024 through September 14, 2027

Signed for SRI:

Edward L. Maschmeier, Vice President, Certification

Release Date:

September 15, 2024

Certificate Number: Registration Number: 023949 0454-00-CS



SCOPE OF REGISTRATION







Appendix to the ISO 9001:2015 Certificate of Registration issued to:

thyssenkrupp Materials NA

Copper and Brass Sales Division Southfield, Michigan, USA thyssenKrupp Materials de Mexico Saltillo, Coahuila, Mexico

Headquarters

Registration # 0454-00

Copper and Brass Sales Division, 22355 West 11 Mile Road, Southfield, Michigan, 48033, USA

Scope of registration:

"Support services, purchasing and subcontractor purchasing for the processing and distribution

of metal products, electrical components and industrial plastics."

Initial SRI registration date:

March 3, 2000

469 Woodcreek Drive, Bolingbrook, Illinois, 60440, USA

Registration # 0454-52

Scope of registration:

"Contract review, order entry, purchasing and subcontractor purchasing, processing and

distribution of metal products."

Initial SRI registration date:

July 5, 2007

530 Northfield Drive, Brownsburg, Indiana, 46112 USA

Registration # 0454-01

Scope of registration:

"Processing and distribution of metal products."

Initial SRI registration date:

September 13, 1995

2821 Langstaff Rd., Concord, Ontario, L4K 5C6, Canada

Registration # 0454-49

Scope of registration:

"Contract review, order entry, purchasing and subcontractor purchasing, processing and

distribution of metal products, electrical components and industrial plastics."

Initial SRI registration date:

January 23, 2008

10100 Innovation Drive, Suite 210, Dayton, Ohio, 45342, USA

Registration # 0454-18

Scope of registration:

"Contract review, order entry, purchasing and subcontractor purchasing of metal products and

electrical components."

Initial SRI registration date:

December 11, 1998

Certificate Date:

September 15, 2024

Certificate Number:

023949

Registration Number:

0454-00-CS



SCOPE OF REGISTRATION







Appendix to the ISO 9001:2015 Certificate of Registration issued to:

thyssenkrupp Materials NA

Copper and Brass Sales Division Southfield, Michigan, USA

thyssenKrupp Materials de Mexico Saltillo, Coahuila, Mexico

9451 45th Ave NW, Edmonton, Alberta, T6E 6B9, Canada

Registration # 0454-11

Scope of registration:

"Processing and distribution of metal products and electrical components."

Initial SRI registration date:

October 30, 2000

1980 Shiloh Road, Building 7, Suite 150, Kennesaw, Georgia, 30144, USA

Registration # 0454-70

Scope of registration:

"The processing and distribution of metal products."

Initial SRI registration date:

March 11, 2019

ThyssenKrupp Materials de Mexico

Registration # 0454-62

Avenida San Lucas No. 1796, Nabzana II, Lote S/N, Parque Industrial Santa Fe, Saltillo, Coahuila, 25300, Mexico

Scope of registration:

"Processing and distribution of metal products and electrical components."

Initial SRI registration date:

June 29, 2015

279 Jenckes Hill Road, Smithfield, Rhode Island, 02917, USA

Registration # 0454-07

Scope of registration:

"Processing and distribution of metal products and electrical components."

Initial SRI registration date:

May 21, 1999

19044 95A Avenue, Surrey, British Columbia, V4N 4P2, Canada

Registration # 0454-32

Scope of registration:

"Contract review, order entry, and subcontractor purchasing and processing and distribution of

metal products and electrical components."

Initial SRI registration date:

October 30, 2000

Certificate Date:

September 15, 2024

Certificate Number: Registration Number: 023949 0454-00-CS



Certificate US21/819944551.00

The management system of

Wieland Metal Services, LLC

457 Warwick Industrial Drive Warwick, RI 02886, United States

has been assessed and certified as meeting the requirements of

ISO 9001:2015

For the following activities

Distribution and Secondary Processing of Aluminum, Copper and Steel Alloy Flat Rolled, Tube and Bar Products.

Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2015 requirements may be obtained by consulting the organization.

This certificate is valid from 18 January 2022 until 18 January 2025 and remains valid subject to satisfactory surveillance audits.

Recertification audit due a minimum of 60 days before the expiration date.

Issue 2. Certified since July 2021.

The organisation was previously certified by a different body against ISO 9001 since 19 January 2010.

The audit leading to this certificate commenced on 25/10/2021.

Previous issue certificate validity date was until 18/01/2022.

This is a multi-site certification. Additional site details are listed on subsequent pages.

Authorized by:

Dan Seal

Technical Accreditation Manager, Knowledge Solutions SGS North America, Inc.

201 Route 17 North, Rutherford, NJ 07070, USA t (201) 508-3000 f (201) 935-4555 www.us.sgs.com

This certificate remains the property of SGS and shall be returned upon request

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Wieland Metal Services, LLC

ISO 9001:2015

Issue 2

Additional facilities

150 Lackawanna Avenue, Parsippany, NJ 07054, United States Scope: The Warehousing, Processing and distribution of Metal Materials.

180 Alexandra Way , Carol Stream, IL 60188, United States Scope: Slitting and coating.

2081 McCrea Street, Alliance, OH 44601, United States Scope: Slitting and coating.

5100 S Archibald Ave, Ontario, CA 91762, United States Scope: Slitting.

Calle La Griega #117, Parque Industrial Queretaro, Santa Rosa Jauregui, 76220, Mexico Scope: The Warehousing, Processing and distribution of Metal Materials.

> Centro Industrial Rio Canas Carretera 175 Lote #29 Caguas, 00725, Puerto Rico Scope: Slitting.





Certificate US21/819944552



The management system of

Wieland Metals, Inc

567 Northgate Parkway Wheeling, 60090, United States

has been assessed and certified as meeting the requirements of

ISO 9001:2015

For the following activities:

Manufacture of Copper and Copper Alloy Strip Products

Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2015 requirements may be obtained by consulting the organization.

This certificate is valid from 20 January 2022 until 20 January 2025 and remains valid subject to satisfactory surveillance audits. Recertification audit due a minimum of 60 days before the expiration date. Issue 2. Certified since July 2021. Certified since 31 January 2007 by former Certification Body.

The audit leading to this certificate commenced on 08/11/2021.

Previous issue certificate validity date was until 20/01/2022.

Authorized by

Dan Sea Dan Se

Technical Accreditation Manager, Knowledge Solutions SGS North America, Inc.

201 Route 17 North, Rutherford, NJ 07070, USA t (201) 508-3000 f (201) 935-4555 www.us.sgs.com

This certificate remains the property of SGS and shall be returned upon request

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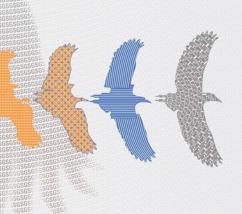






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MANAGEMENT SYSTEM CERTIFICATE

Certificate no.: C685174

Valid: 12 November, 2024 – 11 November, 2027

IATF Certificate No: 0554754

This is to certify that the management system of

Royal Power Connections

125 Mercedes Drive, Carol Stream, IL, 60188, USA (USI: 36NW3X)

has been found to conform to the Quality Management System standard:

IATF 16949:2016

This certificate is valid for the following scope:

DESIGN AND MANUFACTURE OF PRECISION METAL STAMPINGS. THE ASSEMBLY OF COMPONENTS.

EXCLUSION: NONE

Place and date: Katy, TX, 13 November, 2024





For the issuing office:
DNV - Business Assurance
1400 Ravello Drive, Katy, TX, 774495164. USA



Sherif Mekkawy Management Representative



MANAGEMENT SYSTEM **CERTIFICATE**

Certificate no.: C685173

Initial certification date: 04 September, 2018 (by different Certification body) Valid: 12 November, 2024 - 11 November, 2027

This is to certify that the management system of

Royal Power Connections 125 Mercedes Drive, Carol Stream, IL, 60188, USA

has been found to conform to the Quality Management System standard:

ISO 9001:2015

This certificate is valid for the following scope:

Design and Manufacture of Precision Metal Stampings. The Assembly of Components.

Place and date: Katy, TX, 13 November, 2024







For the issuing office: DNV - Business Assurance 1400 Ravello Drive, Katy, TX, 77449-5164, USA



Sherif Mekkawy Management Representative



Laboratory Scope

Royal Power Solutions (Carol Stream) Quality Laboratory is qualified to perform the following inspection, testing and calibration activities. All other activities are performed by accredited outside laboratories.

Inspection/Test/Calibration	Equipment Used	Method and/or Standard Used
First Piece Inspection	Micrometers, Calipers, Indicators, Plug/Pin sets, Optical Comparators/Projectors, Vision and Touch Probe systems (Micro-	QSP-4.10.101
	Vu/OGP/Keyence), Dynes Solution, Force Gages, torque driver/wrenches and Profilometer	
In-process Inspection	Micrometers, Calipers, Indicators, Plug/Pin sets, Optical Comparators/Projectors, Vision and Touch Probe systems (Micro-Vu/OGP/Keyence), Dynes Solution, Force Gages, torque driver/wrenches and Profilometer	QSP-4.10.101
Quality Last Piece Inspection	Micrometers, Calipers, Indicators, Plug/Pin sets, Optical Comparators/Projectors, Vision and Touch Probe systems (Micro- Vu/OGP/Keyence), Dynes Solution, Force Gages, torque driver/wrenches and Profilometer	QSP-4.10.101
Calibrate Depth Micrometers	Jo Block Set, ID # 62444	QSP-4.11.118
Calibrate Drop Indicators	Jo Block Set, ID # 62444	QSP-4.11.110
Calibrate Digital Calipers	Jo Block Set, ID # 62444	QSP-4.11.116
Calibrate Dial Calipers	Jo Block Set, ID # 62444	QSP-4.11.114
Calibrate Height Gages	Jo Block Set, ID # 62444	QSP-4.11.111
Calibrate Outside Micrometers	Jo Block Set, ID # 62444	QSP-4.11.109
Calibrate Test / Drop Indicators	Jo Block Set, ID # 62444	QSP-4.11.114