



Part Submission Warrant

Part Name CONTACT PIN SIZE 12 Customer Part Number 0460-204-12141 Rev. NC
If applicable

Tool PO Number N/A Engineering Drawing Change Level N/A Dated N/A

Additional Engineering Changes N/A Dated N/A

Shown on Drawing Number C19-1212-A0788 Purchase Order No. _____ Weight (kg) (Consignment)

Checking Aid Number N/A Engineering Change Level N/A Dated N/A

ORGANIZATION MANUFACTURING INFORMATION

CARLISLE IT-TRI-STAR ELECT, INT'L-55104
 Organization Name and Code

Blvd. Luis Donaldo Colosio M. 1195 Colonia Obrera
 Street Address

Nogales, Sonora Mexico CP:84048
 City State Zip

SUBMISSION INFORMATION

LJR ELECTRONICS
 Customer Name/Division

KYLE SHURTS
 Customer Contact

Note: Does this part contain any restricted or reportable substances? Yes No

Are plastic parts identified with appropriate ISO marking codes? Yes No

REASON FOR SUBMISSION (check at least one)

- | | |
|---|---|
| <input type="checkbox"/> Initial submission | <input type="checkbox"/> Change to Optional Construction or Material |
| <input type="checkbox"/> Engineering Change(s) | <input type="checkbox"/> Sub-Supplier or Material Source Change |
| <input type="checkbox"/> Tooling: Transfer, Replacement, Refurbishment, or Additional | <input type="checkbox"/> Change in Part Processing |
| <input type="checkbox"/> Correction of Discrepancy | <input checked="" type="checkbox"/> Parts produced at Additional Location |
| <input type="checkbox"/> Tooling inactive > than 1 year | <input type="checkbox"/> Other - please specify below |
| | <u>PPAP - Level 4</u> |

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 requirements
- 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
- (check)
- Level 5 - Warrant with product samples and complete supporting data reviewed at supplier's manufacturing location.

DECLARATION

I affirm that the samples represented by this warrant are representative of our parts and have been made to the applicable customer drawings and specifications and are made from specified materials on regular production tooling with no operations other than the regular production process. I also certify that documented evidence of such compliance is on file and available for review.

EXPLANATION/COMMENTS: Adding Nogales manufacturing location - no change to the previous process- PPAP prepared using Carlisle sales drawing C19-1212-A0788 REV.NC

List Molds / Cavities / Production Processes Cold Head, Degreasing, Annealing, Plating

Organization Authorized Signature _____ Date 1/14/2020

Print Name Marlene Navarrete Phone No. (631)-314-6105 ext. 192455 Fax N/A

Title Compliance manager E-mail marlene.navarrete@Carlisleit.com

FOR CUSTOMER USE ONLY

Part Warrant Disposition: Approved Rejected
 Interim Approval

Customer Signature _____ Date _____

Print Name _____

Comment:

PPAP Requirement Check List

Mfg. Location:		Nogales Manufacturing Location			
ANY ITEMS NOT REQUIRED, PLEASE EXPLAIN:	Req'd	Initials	Date	Comments	
1. Design Record	X			Submit drawing (if available) or Specification (if available).	
2. Authorized Engineering Change documents				N/A	
3. Customer Engineering Approval				N/A	
4. Design FMEA				N/A	
5. Process Flow Diagram(s)				N/A	
6. Process FMEA				N/A	
7. Control Plan				N/A	
8. Measurement System Analysis Studies				N/A	
9. Dimensional Results	X			Submit a Ballooned drawing and Dimensional results if the part is a Fabricated part or a Label.	
10. Records of Material / Performance Test Results	X			Submit Material Certifications / Certificates of Analysis for material callouts on the drawing.	
11. Initial Process Studies				N/A	
12. Qualified Laboratory Documentation	X			If any	
13. Appearance Approval Report				N/A	
14. Sample Production Parts				N/A	
15. Master Sample				N/A	
16. Checking Aids				N/A	
17. Customer-Specific requirements				Only if any additional requirements from us or the end customer.	
17a. IMDS Submission				Required. Customer Requirement. If available	
17b. REACH Compliance				Required. Customer Requirement. If available	
18. Part Submission Warrant	X			Required.	

Retention/Submission Requirements Table

Requirement	Level 1	Level 2	Level 3	Level 4	Level 5
1. Design Record	R	S	S	S	R
- for proprietary components/details	R	R	R		R
2. Engineering Change Documents	R	S	S	*	R
3. Customer Engineering Approval	R	R	S	*	R
4. Design FMEA	R	R	S	*	R
5. Process Flow Diagram(s)	R	R	S	*	R
6. Process FMEA	R	R	S	*	R
7. Control Plan	R	R	S	*	R
8. Measurement System Analysis Studies	R	R	S	*	R
9. Dimensional Results	R	S	S	S	R
10. Material, Performance Test Results	R	S	S	S	R
11. Initial Process Studies	R	R	S	*	R
12. Qualified Laboratory Documentation	R	S	S	S	R
13. Appearance Approval Report	S	S	S	*	R
14. Sample Product	R	S	S	*	R
15. Master Sample	R	R	R	*	R
16. Checking Aids	R	R	R	*	R
17. Customer-Specific Requirements	R	R	S	*	R
17a. IMDS Submission	**	**	**	**	**
17a. REACH Compliance	**	**	**	**	**
18. Part Submission Warrant	S	S	S	S	R

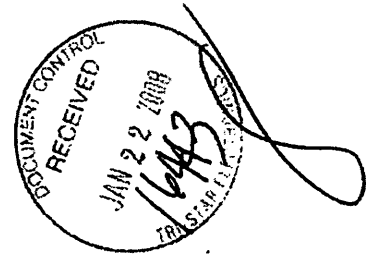
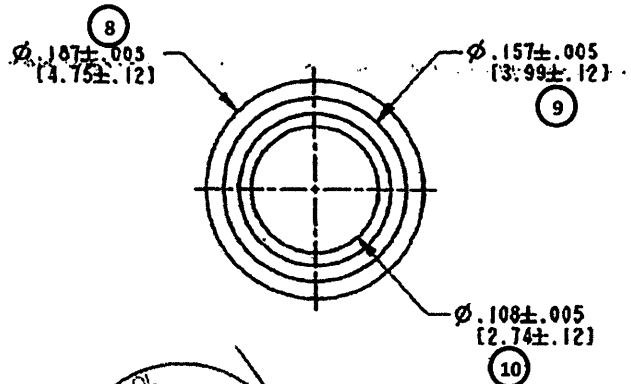
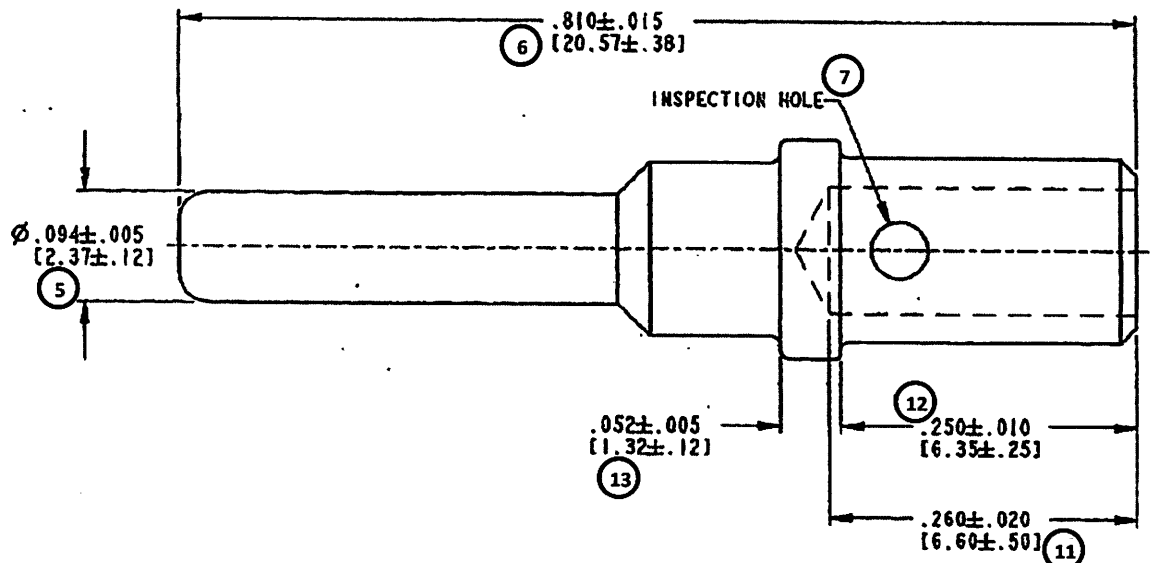
S = The organization shall submit to the customer and retain a copy of records or documentation items at appropriate locations.

R = The organization shall retain at appropriate locations and make available to the customer upon request.

* = The organization shall retain at appropriate locations and submit to the customer upon request.

REV
NC 0460-204-12**

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED
NC	NEW RELEASE PER E.O. P18855	3-14-05	RDR



- ④ 4. FOR CONTACT PERFORMANCE AND APPLICATION CHARACTERISTICS SEE DRAWING 0425-015-0000.
- ③ 3. FOR CRIMPING INFORMATION SEE DRAWING 0425-205-0000.
- ② 2. WHEN ** = 141: PLATING IS NICKEL.
- ① 1. DIMENSIONS ARE IN INCHES [mm].

NOTES:

SIGNATURE & DATE	
DR	J. APOSTOL 08MAR2005
CHK	R. Reid 3/14/05
PE	D. Meyer 3/8/05
APPD	R. Reid 3-14-05
SCALE	NONE WT

CONTACT PIN
SIZE 12

ENVELOPE

CP	MFL CODE
The Deutch Company DEUTSCH I.P.O. 3850 INDUSTRIAL AVE. HENET, CALIF. 92545	
B	0460-204-12**
229	COOK. SHEET OF



PRODUCTION PART APPROVAL - MATERIAL TEST RESULT

Internal Description : PIN A0788, TRISTAR, SZ 12-12, Ni

Sheet 1 of 1

1. Part Number				2. Part Name			3. Serial Number	4. FAI Report Number
0460-204-12141 (REF. TSEI C19-1212-A0788)				CONTACT PIN SIZE 12			N/A	FAIR-NOG-194448
Characteristic Accountability				Inspection/Test Results				
5. Char No.	6. Reference Location	7. Characteristic Designator	8. Requirement	9. Results	10. Designed Tooling	11. Non-Conformance Number	14. Additional Data/Comments	
							NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES AFTER PLATING AND ASSEMBLY	
1	SHT. 1	N/A	NOTE 1	CONFORMED	N/A	N/A	N/A	
2	SHT. 1	N/A	NOTE 2	CONFORMED	N/A	N/A	N/A	
3	SHT. 1	N/A	NOTE 3	CONFORMED	N/A	N/A	N/A	
4	SHT. 1	N/A	NOTE 4	CONFORMED	N/A	N/A	N/A	
5	SHT. 1	N/A	∅ .094 ± .005	∅ .094	Keyence Measurement System	N/A	Keyence Measurement System ID SV01 Apr-26-2019/Apr-26-2020	
6	SHT. 1	N/A	.810 ± .015	.811	VERNIER	N/A	VERNIER 6" ID: V161 Nov-19-2019 / May-19-2020	
7	SHT. 1	N/A	INSPECTION HOLE	CONFORMED	VISUAL	N/A	N/A	
8	SHT. 1	N/A	∅ .187 ± .005	∅ .188	Keyence Measurement System	N/A	ID SV01	
9	SHT. 1	N/A	∅ .157 ± .005	∅ .156	Keyence Measurement System	N/A	ID SV01	
10	SHT. 1	N/A	∅ .108 ± .005	∅ .108	Keyence Measurement System	N/A	ID SV01	
11	SHT. 1	N/A	.260 ± .020	.258	PIN GAGE / VERNIER	N/A	PIN GAGE SET ID: PC51 Oct-23-2019 / Oct-23-2020 VERNIER 6" ID: V161 Nov-19-2019 / May-19-2020	
12	SHT. 1	N/A	.250 ± .010	.249	Keyence Measurement System	N/A	ID SV01	
13	SHT. 1	N/A	.052 ± .005	.052	Keyence Measurement System	N/A	ID SV01	
12. Signature							13. Date	
							JAN-14-2020	



FISK ALLOY WIRE, INC.

P.O. Box 26 • 10 Thomas Road N. • Hawthorne, NJ 07507 U.S.A.
Tel: +19738258500 Fax: +19738258501 Web: www.fiskalloy.com

PRODUCT CERTIFICATION

WORK ORDER
261699
SALES ORDER
W-046505

SOLD TO: Carlisle Interconnect Tech 2201 Rosecrans Ave El Segundo, CA 90245 USA	SHIP TO: Tri-Star Riverside 4200 Garner Rd Riverside, CA 92501 USA Attn: QA Dept
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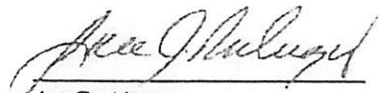
CUSTOMER P.O. 607757	CUSTOMER PART EPS0009-02-156 Rev M	QUANTITY 3095 Lbs	SPOOLS 62	LADING NO 00095929	SHIPMENT DATE 09/21/2018
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PART NUMBER: M1560-18B-W001	DESCRIPTION: .1560-187-48.000/58.000-Open Coil-047.00
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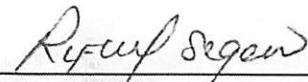
CHEMICAL COMPOSITION

Lot Number AURO08544
Copper 99.08500% to 99.10500%
Lead 0.63500% to 0.64300%

The material was inspected and confirmed to meet Carlisle's specification.


Joe Rodriguez
Quality Assurance Supervisor
Fisk Alloy, Inc..

CT-18-290602

SIGNATURE: 

Fisk Alloy, Inc. certifies that representative samples of this shipment have been inspected in accordance with established testing procedures and methods. The inspection records for this shipment are on file and warrant that this shipment is in conformance with the quality specified and in compliance with the applicable specifications. Fisk Alloy, Inc. is ISO9001:2015 and AS9100D certified. For further inquiries, please contact quality@fiskalloy.com, or call +19738258500.



FISK ALLOY WIRE, INC.

P.O. Box 26 • 10 Thomas Road N. • Hawthorne, NJ 07507 U.S.A.
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PRODUCT CERTIFICATION

WORK ORDER 261699
SALES ORDER W-046505

Form containing customer and shipper information, a table of customer P.O. and part numbers, physical measurements, and a list of tag numbers with their respective specifications.

Handwritten text: CT-18-290602

Fisk Alloy, Inc. certifies that representative samples of this shipment have been inspected in accordance with established testing procedures and methods. The inspection records for this shipment are on file and warrant that this shipment is in conformance with the quality specified and in compliance with the applicable specifications.

SIGNATURE: [Handwritten Signature]



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PRODUCT CERTIFICATION

WORK ORDER
261699
SALES ORDER
W-046505

SOLD TO:				SHIP TO			
Carlisle Interconnect Tech 2201 Rosecrans Ave El Segundo, CA 90245 USA				Tri-Star Riverside 4200 Garner Rd Riverside, CA 92501 USA Attn: QA Dept			
CUSTOMER P.O.	CUSTOMER PART	QUANTITY	SPOOLS	LADING NO	SHIPMENT DATE		
607757	EPS0009-02-156 Rev M	3095 Lbs	62	00095929	09/21/2018		
PART NUMBER:	M1560-18B-W001	DESCRIPTION: .1560-187-48.000/58.000-Open Coil-047.00					
261699-013	.1560	52588	50.	8.000	AUR008544		
261699-014	.1560	51674	50.	10.000	AUR008544		
261699-015	.1560	51986	50.	10.000	AUR008544		
261699-016	.1560	51258	50.	8.000	AUR008544		
261699-017	.1560	52426	50.	9.000	AUR008544		
261699-018	.1560	52313	50.	11.000	AUR008544		
261699-020	.1560	52351	50.	9.000	AUR008544		
261699-021	.1560	51891	50.	8.000	AUR008544		
261699-022	.1560	52086	50.	10.000	AUR008544		
261699-023	.1560	52401	50.	11.000	AUR008544		
261699-024	.15606	51968	50.	9.000	AUR008544		
261699-025	.15606	52216	50.	10.000	AUR008544		
261699-026	.15606	52121	50.	9.000	AUR008544		
261699-027	.1560	52148	50.	12.000	AUR008544		
261699-028	.15606	51866	50.	12.000	AUR008544		
261699-029	.1560	52309	50.	12.000	AUR008544		
261699-030	.1560	52110	50.	12.000	AUR008544		
261699-031	.15605	51835	50.	10.000	AUR008544		
261699-032	.15598	52245	49.	11.000	AUR008544		
261699-033	.15611	51704	50.	12.000	AUR008544		
261699-034	.15606	52723	50.	9.000	AUR008544		

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SIGNATURE: *Alfred Segura*



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CUSTOMER P.O.	CUSTOMER PART	QUANTITY	SPOOLS	LADING NO	SHIPMENT DATE		
607757	EPS0009-02-156 Rev M	3095 Lbs	62	00095929	09/21/2018		
PART NUMBER:	M1560-18B-W001	DESCRIPTION:	.1560-187-48.000/58.000-Open Coil-047.00				
261699-035	.15613	52147	50.	10.000	AUR008544		
261699-036	.15611	51766	50.	12.000	AUR008544		
261699-037	.1560	52161	50.	10.000	AUR008544		
261699-038	.1560	50784	50.	9.000	AUR008544		
261699-039	.1560	51339	50.	10.000	AUR008544		
261699-040	.1560	51908	50.	8.000	AUR008544		
261699-041	.1560	51951	50.	8.000	AUR008544		
261699-042	.1560	51896	50.	9.000	AUR008544		
261699-043	.1560	52038	50.	11.000	AUR008544		
261699-044	.1560	52161	50.	9.000	AUR008544		
261699-045	.1560	51715	50.	10.000	AUR008544		
261699-046	.1560	51721	50.	8.000	AUR008544		
261699-047	.1560	55369	50.	9.000	AUR008544		
261699-048	.1560	55470	50.	11.000	AUR008544		
261699-049	.1560	54990	50.	11.000	AUR008544		
261699-050	.1560	51880	50.	9.000	AUR008544		
261699-051	.1560	51717	50.	10.000	AUR008544		
261699-052	.1560	51554	50.	11.000	AUR008544		
261699-053	.1560	51693	50.	8.000	AUR008544		
261699-054	.1560	51988	50.	9.000	AUR008544		
261699-055	.1560	51921	50.	8.000	AUR008544		

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SIGNATURE: *Ryann Segow*



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PART NUMBER:	M1560-18B-W001	DESCRIPTION: .1560-187-48,000/58,000-Open Coil-047.00					
261699-056	.1560	52354	50.	10.000	AUR008544		
261699-057	.1560	52308	50.	12.000	AUR008544		
261699-058	.1560	52215	50.	11.000	AUR008544		
261699-059	.1560	52317	50.	10.000	AUR008544		
261699-060	.1560	52255	50.	9.000	AUR008544		
261699-061	.15606	52171	50.	10.000	AUR008544		
261699-062	.15606	52407	50.	8.000	AUR008544		

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SIGNATURE: *Rafael Segou*