



3300 International Airport Drive, Suite 200  
 Charlotte, NC 28208 (704) 424-5448  
[www.norcomp.net](http://www.norcomp.net)

# Materials Declaration

Part Name: Connector  
 Part Number: 180-078-213R911  
 Part Weight (kg): 0.02467

Environment Friendly Use Period: 10+ Years

RoHS TEST REPORT												
	Lead Pb		Mercury Hg		Cadmium Cd		Hexavalent Chromium Cr6		Polybrominated Biphenyls PBBs		Polybrominated Diphenyl ethers PBEs	
% Allowed	≤ 0.10		≤ 0.10		≤ 0.01		≤ 0.10		≤ 0.10		≤ 0.10	
Sub-Part Name	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%
Insulator	N.D.		N.D.		N.D.		N.D.		N.D.		N.D.	
Shell	172	0.02	N.D.		N.D.		N.D.		N.D.		N.D.	
Contacts	29200	2.92	N.D.		44	0.00	N.D.		N.D.		N.D.	
Clinch Nuts	70	0.01	N.D.		N.D.		N.D.		N.D.		N.D.	
Board Lock	3.7	0.00	N.D.		N.D.		N.D.		N.D.		N.D.	
Lock Washer	N.D.		N.D.		N.D.		N.D.		N.D.		N.D.	
Screw Lock	25000	2.50	N.D.		15	0.00	N.D.		N.D.		N.D.	
<b>Exemptions:</b>	<b>6C - 4% lead in copper alloy</b>											

Sub-Part Name: Insulator  
 Sub-Part Weight (kg): 0.00754

Base Material: High Temp. N6T - Black

REACH TEST REPORT				
SVHC	CAS number	EC number	D.L.	Test Results
Anthracene	120-12-7	204-371-1	0.0005	N.D.
Benzyl butyl phthalate	85-68-7	201-622-7	0.005	N.D.
Dibutyl phthalate	84-74-2	201-557-4	0.005	N.D.
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	204-211-0	0.005	N.D.
HBCDD	25637-99 & 3194-55-6	247-148-4,	0.005	N.D.
4,4' Diaminodiphenylmethane	101-77-9	202-974-4	0.005	N.D.
Short Chain Chlorinated Paraffins	85535-84-8	287-476-5	0.01	N.D.
musk xylene	81-15-2	201-329-4	0.005	N.D.
Triethyl arsenate	15606-95-8	427-700-2	0.005	N.D.
Bis(tributyltin)oxide	56.35-9	200-268-0	0.01	N.D.
Cobalt dichloride	7646-79-9	231-589-4	0.01	N.D.
Diarsenic pentoxide	1303-28-2	215-116-9	0.01	N.D.
Diarsenic trioxide	1327-53-3	215-481-4	0.01	N.D.
Sodium dichromate	7789-12-0, 10588-01-9	234-190-3	0.01	N.D.
Lead hydrogen arsenate	7784-40-9	232-064-2	0.01	N.D.

Sub-Part Name: Shell  
 Sub-Part Weight (kg): 0.00620

Base Material: Iron  
 Plating: Tin

REACH TEST REPORT				
SVHC	CAS number	EC number	D.L.	Test Results
Triethyl arsenate	15606-95-8	427-700-2	0.005	N.D.
Cobalt dichloride	7646-79-9	231-589-4	0.01	N.D.
Diarsenic pentaoxide	1303-28-2	215-116-9	0.01	N.D.
Diarsenic trioxide	1327-53-3	215-481-4	0.01	N.D.
Sodium dichromate	7789-12-0, 10588-01-9	234-190-3	0.01	N.D.
Lead hydrogen arsenate	7784-40-9	232-064-2	0.01	N.D.

Sub-Part Name: Contacts  
 Sub-Part Weight (kg): 0.00749

Base Material: Brass - C2680  
 Plating: Gold Flash

REACH TEST REPORT				
SVHC	CAS number	EC number	D.L.	Test Results
Triethyl arsenate	15606-95-8	427-700-2	0.005	N.D.
Cobalt dichloride	7646-79-9	231-589-4	0.01	N.D.
Diarsenic pentaoxide	1303-28-2	215-116-9	0.01	N.D.
Diarsenic trioxide	1327-53-3	215-481-4	0.01	N.D.
Sodium dichromate	7789-12-0, 10588-01-9	234-190-3	0.01	N.D.
Lead hydrogen arsenate	7784-40-9	232-064-2	0.01	N.D.

Sub-Part Name: Board Lock  
 Sub-Part Weight (kg): 0.00168

Base Material: Copper Alloy - C3603

REACH TEST REPORT				
SVHC	CAS number	EC number	D.L.	Test Results
Triethyl arsenate	15606-95-8	427-700-2	0.005	N.D.
Cobalt dichloride	7646-79-9	231-589-4	0.01	N.D.
Diarsenic pentaoxide	1303-28-2	215-116-9	0.01	N.D.
Diarsenic trioxide	1327-53-3	215-481-4	0.01	N.D.
Sodium dichromate	7789-12-0, 10588-01-9	234-190-3	0.01	N.D.
Lead hydrogen arsenate	7784-40-9	232-064-2	0.01	N.D.

Sub-Part Name: Lock Washer  
 Sub-Part Weight (kg): 0.00014

Base Material: Iron

REACH TEST REPORT				
SVHC	CAS number	EC number	D.L.	Test Results
Triethyl arsenate	15606-95-8	427-700-2	0.005	N.D.
Cobalt dichloride	7646-79-9	231-589-4	0.01	N.D.
Diarsenic pentaoxide	1303-28-2	215-116-9	0.01	N.D.
Diarsenic trioxide	1327-53-3	215-481-4	0.01	N.D.
Sodium dichromate	7789-12-0, 10588-01-9	234-190-3	0.01	N.D.
Lead hydrogen arsenate	7784-40-9	232-064-2	0.01	N.D.

Sub-Part Name: Screw Lock  
Sub-Part Weight (kg): 0.00162

Base Material: Copper Alloy - C3603

REACH TEST REPORT				
SVHC	CAS number	EC number	D.L.	Test Results
Triethyl arsenate	15606-95-8	427-700-2	0.005	N.D.
Cobalt dichloride	7646-79-9	231-589-4	0.01	N.D.
Diarsenic pentaoxide	1303-28-2	215-116-9	0.01	N.D.
Diarsenic trioxide	1327-53-3	215-481-4	0.01	N.D.
Sodium dichromate	7789-12-0, 10588-01-9	234-190-3	0.01	N.D.
Lead hydrogen arsenate	7784-40-9	232-064-2	0.01	N.D.

- 1) The chemical analysis of 15 Substance of Very High Concern (SVHC) is performed by means of current available analytical techniques against the list published by ECHA on October 28, and shall refer to <http://echa.europa.eu/chem.data/candidate.list.table.en.asp>. This list is under evaluation by ECHA and subject to change.
- 2) In accordance with EC regulation No. 1907/2006, any producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of article 7, if a substance meets the criteria in article 57 and is identified in accordance with article 59(1) of the regulation, if (a) the substance is present in those articles in quantities totaling over one ton per producer or importer per year; d (b) the substance is present in those article above a concentration of 0.1% weight by weight (w/w).
- 3) Article 33 of EC regulation No. 1907/2006 requires suppliers of an article containing a substance meeting the criteria in article 57 and identified in accordance with article 59(1) in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including as a minimum, the name of the substance.

Notes:

mg/kg = ppm; 0.1wt% = 1,000ppm  
N.D. = Not Detected; DL = Detection Limit  
SVHC = Substance of Very High Concern

U.S. references:

EPA 3050B:1996, EPA 3051A:2007, EPA 3052:1996, EPA 3540C:1996, EPA 8270D:2007, DIN 38407-13, EN 14362-1%2:2003, EN 14372:2004, EPA 9056A:2007, EPA 3060A:1996 method. Analysis is performed by IC, UV, ICP-OES and GC-MS.