



☐ Phase 1 ☐ Phase 2 ☒ Phase 3 ☐ Interim (Non-PPAP)

## PPAP Submission Warrant

### PART INFORMATION

Part Name T50ROSEC4B Cust. Part Number 2M5T-14197-KA  
Shown on Drawing Number 2M5T-14197-KA Organization Part Number 2M5T-14197-KA  
Engineering Change Level EV60-E-11341136-000 Dated 18.03.2002  
Additional Engineering Changes N/A Dated N/A  
Safety and/or Government Regulation ☐ Yes ☒ No Purchase Order No. 150-76079 Weight (kg) 0.003  
Checking Aid Number N/A Checking Aid Engineering Change Level N/A Dated N/A

### ORGANIZATION MANUFACTURING INFORMATION

HellermannTyton  
Organization Name and Supplier/vendor Code  
Großer Moorweg 45  
Street Address  
Tornesch  
City Region Postal code Country

### CUSTOMER SUBMITTAL INFORMATION

Nursan Elektrik Donanim  
Customer Name/Division  
Burak Ozkaya  
Buyer/Buyer Code  
Application

### MATERIALS REPORTING

Has customer-required Substances of Concern information been reported? ☒ Yes ☐ No

Submitted by IMDS or other customer format: 5496941

If submitted by IMDS, enter Module ID number, version and date transmitted

Are polymeric parts identified with appropriate ISO marking codes?

☐ Yes ☐ No ☐ n/a

### REASON FOR SUBMISSION (Check at least one)

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Initial submission                                | <input type="checkbox"/> Change to Optional Construction or Material |
| <input type="checkbox"/> Engineering Change(s)  | <input type="checkbox"/> 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 type="checkbox"/> Parts produced at Additional Location       |
| <input type="checkbox"/> Tooling Inactive > than 1 year                               | <input type="checkbox"/> Other - please specify below                |

### 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 supplier's manufacturing location.

### SUBMISSION RESULTS

The results for ☒ dimensional measurements, ☒ material and functional tests ☐ appearance criteria ☒ statistical process package

These results meet all design requirements ☒ Yes ☐ No (If "No" - Explanation Required)

Mold / Cavity / Production Process(es)

injection moulding / serial mold

### DECLARATION

I affirm that the samples represented by this warrant are representative of our parts which were made by a process which meets all Production Part Approval Process Manual 4th Edition requirements including all Ford-specific requirements. I further affirm that these samples were produced at the production rate of 100000 pcs / 24hours using 3 production streams. I also certify that documented evidence of such compliance is on file and is available for review. I have noted any exceptions from this declaration below.

### EXPLANATION/COMMENTS

Organization Authorized Signature C. Grichel Print Name i.A.Ch.Grichel Date 16-Dec-2013  
Title Assistant PRQM Phone: 04122-701538 Fax: 0049 4122 701 241 Email christian.grichel@hellermannnyton.de

Is each Customer Tool properly tagged and numbered? ☐ Yes ☐ No ☒ n/a

### Capacity Requirements

Source of the Program Approval requirements CPA (Commercial and Program Agreement) Detail / Date   
Program Approval (<PA>) Requirements APW  MPW  Date   
If Program Approval (<PA>) requirements are not met, indicate date when the requirements will be met  
Source of the revised requirements after <PA>  Detail / Date   
Revised requirements after <PA> APW  MPW  Date   
If the revised requirements after <PA> are not met, indicate date when the requirements will be met  
Demonstrated Capacity (recorded in Ford Capacity System (GCP or MCPV) as Purchased Part Capacity)  
Enter Capacity Analysis Report "Predicted Good Parts per Week" APW, MPW and date APW  MPW  Date

### FOR FORD USE ONLY

#### PPAP

#### Non-PPAP<sup>a/</sup>

#### Phased PPAP Warrant Status:

☐ Approved ☐ Rejected ☐ Interim Accepted

STA Signature		Name	
Date		e-mail	
P.D. Signature <sup>b/</sup>		Name	
Date		e-mail	

a/ Non-PPAP indicates the part does not satisfy one or more PPAP requirements and is incomplete

b/ P.D. signature for Priority suppliers on GPDS programs

**Interim Status**  
(to be completed by the Organization)

Engineering Authorization Alert or Alert Report

Description: (Incomplete PPAP Requirements)

## Part Submission Warrant

Part Name T50ROSEC4B Cust. Part Number 2M5T-14197-KA / 2M5T-14197-KA  
 Shown on Drawing No. 2M5T-14197-HA Org. Part Number 150-76079  
 Engineering Change Level EV60-E-11341136-000 Dated 18.03.2002  
 Additional Engineering Changes n/a Dated n/a  
 Safety and/or Government Regulation ☐ Yes ☒ No Purchase Order No. 150-76079 Weight (kg) 0,003  
 Checking Aid No. n/a Checking Aid Engineering Change Level n/a Dated n/a

### ORGANIZATION MANUFACTURING INFORMATION

HellermannTyton GmbH DUNS: 315430892

Organization Name & Supplier/Vendor Code

Großer Moorweg 45

Street Address

Tornesch

25436

Germany

City

Region

Postal Code

Country

Production Location:

### CUSTOMER SUBMITTAL INFORMATION

Nursan Elektrik Donanim

( 30471 )

Customer Name/Division

Burak Ozkaya

Buyer/Buyer Code

various

Application

### MATERIALS REPORTING

Has customer-required Substances of Concern information been reported?

☒ Yes ☐ No ☐ n/a

Submitted by IMDS or other customer format:

ID: 5496941

Are polymeric parts identified with appropriate ISO marking codes?

☐ Yes ☐ No ☒ n/a

### REASON FOR SUBMISSION (Check at least one)

☒ Initial Submission

☐ Engineering Change(s)

☐ Tooling: Transfer, Replacement, Refurbishment, or additional

☐ Correction of Discrepancy

☐ Tooling inactive > than 1 year

☐ Change to Optional Construction or Material

☐ Supplier or Material Source Change

☐ Change in Part Processing

☐ Parts Produced at Additional Location

☐ Other - please specify below

### 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

injection moulding / serial mold

### 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

100000 pcs /

24

hours.

I also certify that documented evidence of such compliance is on file and available for review. I have noted any deviations from this declaration below.

EXPLANATION/COMMENTS:

We confirm that the article is dimensionally, functional and mechanically consistent with the drawing requirements

Is each Customer Tool properly tagged and numbered?

☐ Yes

☐ No

☒ n/a

Organization Authorized Signature

i.A.

Print Name

i.A.Ch.Grichel

/

i.A. A. Smoczok

Quality Assistant

+49 4122 701 330

Fax No.

+49 4122 701 241

Title

Assistant PRQM

E-mail

ch.grichel@HellermannTyton.de

### FOR CUSTOMER USE ONLY (IF APPLICABLE)

PPAP Warrant Disposition:

☐ Approved

☐ Rejected

☐ Other

Customer Signature

Date

Print Name

Customer Tracking Number (optional)



HELLERMANN TYTON  
GROSSER MOORWEG 45  
Tornesch, 25436  
Attention: MR SEKULIC  
Container ID: DVWN5009 - E9509KB

Ascend Performance Materials LLC  
Nylon Plastics and Polymers  
3000 Chemstrand Road  
Pensacola, FL 32533  
Telephone: (850) 968-7000

Certificate Date: 22-OCT-13  
Delivery No: 0382192881  
Shipped Qty: 7,000.000 Lbs  
(3,175.200 Kgs)  
Customer P.O. No: 88234/256114-06

### Certificate of Analysis

This certifies that Nylon Resin shipped to you from Ascend Performance Materials LLC has been tested and found to meet required specifications.

The material purchased was produced under a Quality System that meets TS16949 + ISO9002 criteria.

This Vydne/Ascend nylon resin meets the relevant requirements of Directive 2002/95/EC on the restriction of the use of certain hazardous substances in electrical and electronic equipment ("RoHS Directive") and Directive 2002/96/EC on waste electrical and electronic equipment ("WEEE Directive").

If you have any questions or concerns about this letter, please call the Ascend Performance Materials LLC Customer Service Department at 1-888-927-2363.

This product meets the requirements of the following specifications: ASTM D4066 PA0121, ASTM D6779 PA0121, WSK-M4D648A (ESF-M4D 82A), GMP.PA66.018, CMP NY057 AA, MS-DB41 CPN1076, FMVSS 302\*, CPN3490, D4000 PA012

Material Type: VYDYNE 22HSP-HT Material No: 10326659 Batch No BH13VY13 Date of Mfg 13-AUG-2013

#### Ascend Performance Materials LLC Specification

##### Lot Data

Property	Test Method	Min	Max	Result	Units
Relative Visc.	ASTM D789[9.34]	45.0	51.0	48.0	N/A
Viscosity Num. Sulfuric	ISO 307	136.9	148.3	143.0	N/A
Moisture	ASTM D6869	0.08	0.20	0.15	%

##### Periodic Data

Property	Date	Test Method	Min	Max	Result	Units
Nom. Str. @ Brk	02/11/13	ISO 527-1,2 / 1A	16.4		25.2	%
Strength @ Yld	02/11/13	ISO 527-1,2 / 1A	78		85	MPa

Note: This certificate is generated and controlled by electronic means. No signature is required. This document may not be reproduced, except in full, without written consent of the Nylon Plastics and Polymers Department, Ascend Performance Materials LLC.

All information contained in this letter is provided for informational purposes only and is not meant to alter or waive the appropriate contractual product specifications. Moisture values are representative of the product at the time it was sampled. If numerical flame spread ratings appear herein, they are not intended to reflect the hazards presented by this or any other material under actual fire conditions. Each end user should determine whether potential fire hazards are associated with the finished product, and whether this resin is suitable for the particular end use.

Ascend and Vydne are registered trademarks of Ascend Performance Materials LLC.

# Certificate of Analysis

according to EN 10204-3.1

AKRO-PLASTIC GmbH  
Member of the Feddersen Group

## DESCRIPTION OF PRODUCT:

Item number: 02179-S

Material: AKROMID A3 1 S3 schwarz (1139)

## PRODUCTION DATA:

Lot-No.: FS02 49868

## CUSTOMER DATA:

Order-No.: 10048206

## TESTRESULTS:

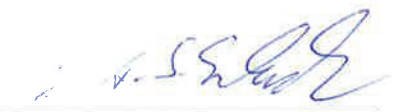
Testing:	Norm	Testing condition	Target Value	Actual Value	Unit
Residual humidity	DIN EN ISO 15512 Meth. B		$\leq 0,15$	0,08	%
Tensile modulus	DIN EN ISO 527-2/1A	1mm/min	$2550 \pm 300$	2289	MPa
Tensile stress at yield	DIN EN ISO 527-2/1A	50mm/min	$64,0 \pm 5,0$	59,3	MPa
Elongation at break	DIN EN ISO 527-2/1A	50mm/min	$35,0 \pm 15,0$	30,4	%
Charpy notched impact strength	DIN EN ISO 179-1/1eA	23°C	$15,0 \pm 3,0$	17,8	kJ/m <sup>2</sup>
Melt-Volume-Rate	DIN ISO 1133	275/5	$48,0 \pm 15,0$	52,4	cm <sup>3</sup> /10 min

Date of release: 03.08.2013 09:47

Remarks:

Niederzissen, 03.08.2013

Signature:

  
i.v. Ute Bürger (inspection representative)

The raw material used in this material complies with the recommendations of the EU-Guideline 2000/53 of the European Parliament dated 18 September 2000 about old vehicles. It is confirmed herewith that the delivery meets the agreements on receipt of order.  
The CoA shall not relieve the recipient from his legal incoming goods inspection and is not to be considered as guarantee of specific material properties.

AKRO-PLASTIC GmbH

Industriegebiet Brohlthal-Ost / Im Stiefelfeld 1 · 56651 Niederzissen  
P.O. B. 67 · 56649 Niederzissen

Managing Directors: Andreas Stuber, Dirk Steinbrück

Chairman of the Supervisory Board: Dr. Matthias von Ronn  
Commercial Register Koblenz HRB 12227

Member of the Feddersen Group

info@akro-plastic.com  
www.akro-plastic.com  
USt-/VAT-IdNr. DE 811117257

Art. Nr.: 10000254  
Wkz. Nr.: 30321/001  
Charge : 8175  
Best. Nr.: 4500008724/10  
WE- P: Dienstag, 16 Juli, 2013  
Prüfer: Reich/i.O.  
Werkstoff C75S



Wickeder Westfalenstahl GmbH · Postfach 1464 · D-58734 Wickede (Ruhr)

Abnahmeprüfzeugnis Nr. 227109

Kleiner GmbH

EN 10204 - 3.1

Goeppinger Str. 2-4  
D 75179 Pforzheim

12.07.2013

Auftrags Nr.	Pos.	Dicke	Breite	Länge
01 7613	01.02	0,400 mm	40,00 mm	

Ihre Bestellung 4500008724 v. 24.04.13

**Chemische Zusammensetzung (%)**

Charge	C	Si	Mn	P	S	Cr	Ni	Mo
082873	0,772	0,197	0,67	0,016	0,001	0,244	0,016	0,002

**Mechanisch-technologische Eigenschaften**

Dicke	0,37	-	0,39	mm
Breite	40,08	-	40,1	mm
Streckgrenze	453	-	455	MPa
Festigkeit	588	-	590	MPa /
Dehnung A80	21	-	22	%
Rauheit Ra	0,16	-	0,24	µm

Kaltgew. Bandstahl in der Guete C 75S, MA, GK, in Ringen  
Zugfestigkeit 480-640 N/qmm, nach EN 10132/10140, walzm.  
geoeilt, ID 400 mm, AD 1100-1400 mm  
nach Ihrer TLB Nr. 19 Vers.4 sowie unserer mail vom 06.07.10  
Artikel-Nr.: 010024002700  
Lieferant 87375

Es wird bestätigt, dass die Lieferung geprüft wurde und den Vereinbarungen der Bestellannahme entspricht. Diese Bescheinigung wurde durch ein DV-System erstellt und ist ohne Unterschrift gültig.

**Qualitätswesen**  
Gorsek  
Werkssachverständiger

Wickeder Westfalenstahl GmbH  
Hauptstraße 6  
D-58739 Wickede (Ruhr)  
www.wickeder.de

Fon +49 (0) 23 77 917 - 01  
Fax +49 (0) 23 77 917 100  
e-mail: info@wickeder.de  
Gesellschaftssitz: Wickede (Ruhr)

Handelsregister Amsberg HRB 4366  
VAT-ID-Nr. DE 811884481  
Geschäftsführer:  
Dr. Jürgen E. Platt (Vors.), Dirk Barschkett

Deutsche Bank AG, Iserlohn (BLZ 445 700 04) 057325300  
Volksbank Wickede e.G. (BLZ 414 622 95) 2301801  
HSH Nordbank AG, Hamburg (BLZ 210 500 00) 1000433233

IBAN DE75 4457 0004 0057 3253 00  
IBAN DE76 4146 2295 0002 3018 01  
IBAN DE10 2105 0000 1000 4332 33

BIC DEUT DE DW 445  
BIC GENO DE M1 WRU  
BIC HSHN DE HH XXX

\* Härterei Aribert Conrad GmbH

SPC / 112 / 001  
Platz/Firma: 00/01

PRÜFPROTOKOLL

Seite: 01  
Datum: 26.09.13

Kunde : Kleiner GmbH  
Anschrift/Ort : Stanztechnik  
75179 Pforzheim

Auftragsnummer : 00164187  
Auftrag vom : 20.09.2013

Artikelnummer : 10101000340  
 Bezeichnung : Blechkammern C75  
 Zeichnungsnummer :  
 Abmessungen :

Arbeitsgang : 001 gehärtet u. angelassen

Prüfmerkmal : 001 Härte HV10

```

Prüfart          : Variabel, Normalverteilt
Toleranzen       : AOT : 500,0      NENM: 475,0      AUT : 450,0
Stichproben-Frequenz : 5 alle 60 min.
Meßmittelbezeichnung : Tastatur

```

Grenzen und Prozessindex: a) Vorbesetzung				b) Im Prozeß gültig		c) Aktuell aus den letzten		ID Werten		
DEQ-X/R	VEG-X/R	DEQ-R	VEG-R	DEQ-X/S	VEG-X/S	DEQ-S	VEG-S	CP(Sges)	CPk(Sges)	Zkrt(Sges)
a) 0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0			
b) 482,578	466,422	29,596	0,0	482,7001	466,2598	12,0043	0,0	0,7122	0,6979	2,0939

## Basisserie

für b)

für c)

Stichproben: von - bis	1 -	4	25.09.2013 - 25.09.2013
Anzahl gesamt	$N$	4	
püttig	$M$	4	
=> Meßwerte	$N$	20	
Summe der Werte	$\Sigma x$	9490,0	
Summe der Werte <sup>2</sup>	$\Sigma x^2$	4505606,0	
(Summe der Werte) <sup>2</sup>	$(\Sigma x)^2$	90060100,0	
Mittelwert	$\bar{x}$	474,5	
Mittlere Spannweite	$R_q$	14,0	
Mittlere Standard.	$S_q$	5,746458	
Standardabweichung	$S_{ges}$	11,700202	
Sigmadach ( $\bar{R}$ )	$\sigma_R$	6,018916	
Sigmadach ( $S$ )	$\sigma_S$	6,113253	

unsere Auftragsnr.: 135407  
Ihre Bestellnummer: 4500010621

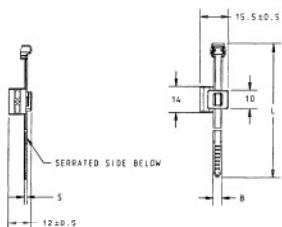
(Unterschrift)

**Art. Nr.:** 30001024  
**Wkz. Nr.:** 30321/001  
**Charge :** 8175  
**Best. Nr.:** 4500010621/10  
**WE- P:** Donnerstag, 26 September, 2013  
**Prüfer:** Reich/i.O.  
**Werkstoff** C75S gehärtet

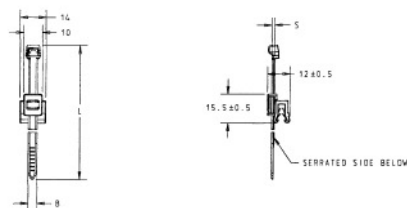
\* Härterei Aribert Conrad GmbH  
SPC / 110 / 001  
Platz/Firma: 00/01 E I N Z E L W E R T L I S T E

Seite: 02  
Datum: 26.09.13

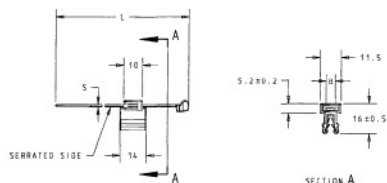
Nummer	Datum	Zeit	Prüfer-ID	Fehler	Meßwert	GSP?	AUT	ADT
0000001	25.09.13	05:38:55	BETRIEB	0	498,0	/		
0000002	25.09.13	05:38:56	BETRIEB	0	485,0	/	.....2..++	
0000003	25.09.13	05:39:27	BETRIEB	0	488,0	/	.....3..++	
0000004	25.09.13	05:40:13	BETRIEB	0	490,0	/	.....3..++	
0000005	25.09.13	05:40:51	BETRIEB	0	490,0	/	.....3..++	
0000006	25.09.13	07:32:27	BETRIEB	0	459,0	/	.....2..++	
0000007	25.09.13	07:32:29	BETRIEB	0	467,0	/	.....2..++	
0000008	25.09.13	07:32:30	BETRIEB	0	452,0	/	.....2..++	
0000009	25.09.13	07:32:31	BETRIEB	0	461,0	/	.....2..++	
0000010	25.09.13	07:32:32	BETRIEB	0	466,0	/	.....2..++	
0000011	25.09.13	09:23:52	BETRIEB	0	474,0	/	.....3..++	
0000012	25.09.13	09:23:54	BETRIEB	0	469,0	/	.....3..++	
0000013	25.09.13	09:23:58	BETRIEB	0	482,0	/	.....3..++	
0000014	25.09.13	09:24:00	BETRIEB	0	463,0	/	.....3..++	
0000015	25.09.13	09:24:04	BETRIEB	0	465,0	/	.....3..++	
0000016	25.09.13	12:46:21	BETRIEB	0	483,0	/	.....2..++	
0000017	25.09.13	12:46:22	BETRIEB	0	482,0	/	.....2..++	
0000018	25.09.13	12:46:28	BETRIEB	0	483,0	/	.....2..++	
0000019	25.09.13	12:46:32	BETRIEB	0	477,0	/	.....2..++	
0000020	25.09.13	12:46:43	BETRIEB	0	466,0	/	.....2..++	



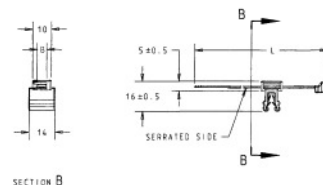
2MST-14197-HA GEOMETRY PART



2MST-14197-HA GEOMETRY PART



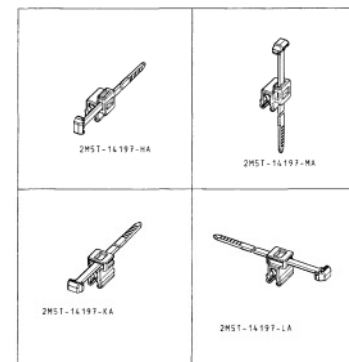
2MST-14197-KA GEOMETRY PART



2MST-14197-LA GEOMETRY PART

NO.	REQ.	D.	ITEM	DESCRIPTION	COLOR	FORD COMPONENT PART NUMBER	SUPPLIER PART NUMBER	MATERIAL SPECIFICATION	RECYCLING CODE	WEIGHT (GRAM)
1			1	SOCKET	BLACK	N/A	...EC4A	PA 6.6 MATERIAL GRADE DEFINED BY SUPPLIER		
			1	SOCKET	BLACK	N/A	...EC4B	PA 6.6 MATERIAL GRADE DEFINED BY SUPPLIER		
			1	SOCKET	BLACK	N/A	...EC5A	PA 6.6 MATERIAL GRADE DEFINED BY SUPPLIER		
			1	SOCKET	BLACK	N/A	...EC5B	PA 6.6 MATERIAL GRADE DEFINED BY SUPPLIER		
1	1	1	1	2	FIXING TIE	BLACK	N/A	TS0805...		
1	1	1	1	3	CLAMP	SILVER	N/A	TEL-511-003-K		

PRODUCT TYPE	LENGTH L	STRAP WIDTH B±0.2	THICKNESS S±0.2	BUNDLE
TS0805	200±10	4.6	1.3	4-45 mm



#### NOTES

THE MASTER SOURCE OF INFORMATION FOR THIS DRAWING IS IN A PL COMPUTER DATABASE. CHANGES ARE NOT PERMITTED WITHOUT JOINT AUTHORIZATION FROM THE WORLDWIDE FASTENERS STANDARDS COMMITTEE AND THE RELEVANT ENGINEERING CAD ACTIVITY.

CHANGES AFFECTING DESIGN, COMPOSITION OR PROCESSING OF THE PART PREVIOUSLY APPROVED FOR PRODUCTION REQUIRE PRIOR APPROVAL FROM FORD PRODUCT ENGINEERING REP. Q101

ENGINEERING APPROVAL OF PRODUCTION SAMPLES FROM EACH SUPPLIER REQUIRED PRIOR TO AUTHORIZATION OF INITIAL PRODUCTION FOR SAMPLE REQUIREMENTS SEE ENGINEERING RELEASE.

DIMENSIONS AND INSTRUCTIONS WHICH ARE NOT DEFINED ARE LEFT TO THE SUPPLIERS DISCRETION PROVIDING THE FUNCTION OF THE PART IS NOT IMPAIRED.

NOT TO BE ISSUED OUTSIDE FORD/F.M.C. (FORD/VERKE A.G. OR USED FOR MANUFACTURING PURPOSES WITHOUT THE APPROVAL OF "Hörmann/Tyton GmbH".

GENERAL TOLERANCE ±0.3 MM

DESIGN OF FEATURES AT MANUFACTURERS DISCRETION PROVIDED PUSH-IN AND PULL-OUT REQUIREMENTS ARE MET.

PLASTIC PARTS MATERIAL IDENTIFICATION SYMBOL > PA...4 TO BE LOCATED AS SHOWN. SIZE TO SUIT MANUFACTURER BUT MUST BE CLEARLY VISIBLE.

SHARP EDGES REMOVE  
DRAFT ANGLE 2°

REVISIONS			
ORIGINATOR	CHECKER	ENGR APP	MATL APP
RELEASE OF PART 14.1476 RELEASE OF PART 14.1478 RELEASE OF PART 14.1501 RELEASE OF PART 14.1457			
EV60-E-1134-1136-000 DATE: 020318			
HELLY	BSCHWEK	HELLE DATE	HELLE DATE

THIS DRAWING HAS BEEN PREPARED BY OR ON BEHALF OF FORD MOTOR COMPANY. FORD RETAINS ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING COPYRIGHTS. THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE OTHER THAN FORD'S SPECIFIC SERVICES OR DIRECTLY OR INDIRECTLY TO FORD WITHOUT THE EXPRESS WRITTEN PERMISSION OF FORD. UNAUTHORIZED REPRODUCTION OR MODIFICATION, INCLUDING THE REMOVAL, COPYING OR REUSE OF THIS DRAWING IS PROHIBITED. THIS NOTE MAY CONSTITUTE A VIOLATION OF CIVIL OR CRIMINAL LAWS ENFORCEABLE BY FORD OR GOVERNMENT AGENCIES.

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REFERENCE			
PART MUST COMPLY WITH MATERIAL SPECIFICATION WIS-W80P999-AT TO HELP SAFEGUARD HEALTH, SAFETY AND THE ENVIRONMENT			
DRAFTED IN ACCORDANCE WITH FORD MOTOR COMPANY ENGINEERING CAD AND DRAFTING STANDARDS CURRENT AT INITIAL RELEASE			
CAD TYPE 1-IDEAS	CAD LOC. METAPH	CAD FILE DFW 2MST-14197-H	3RD ANGLE PROJ DIMENSIONS ARE IN MILLIMETERS
OPER. NO. AM	DRAWING AM	2MST-14197-HA	
DESIGN SCHWEK	DETAIL SCHWEK	TITLE CLIP	SHEET OF 1
CHECKED SPIESZ	SAFETY		
SCALE 1:1	DATE 820318	DIVISION PLANT	

2MST-14197-HA	
2MST-14197-KA	
2MST-14197-LA	

Ford Motor Company

2M SIZE DATE