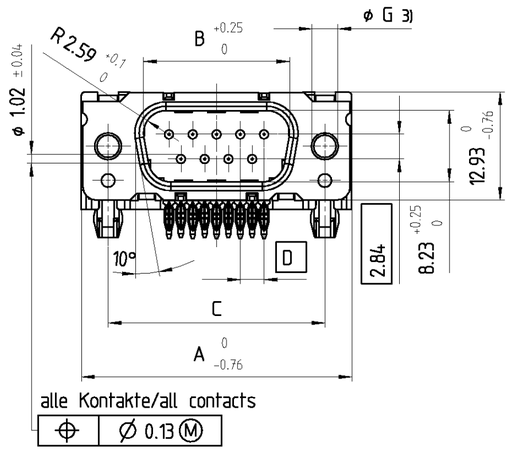
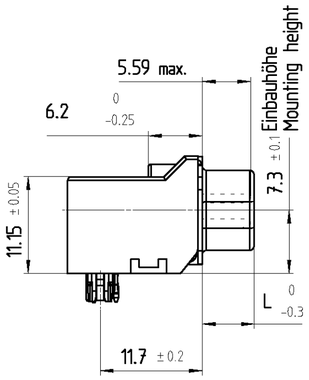
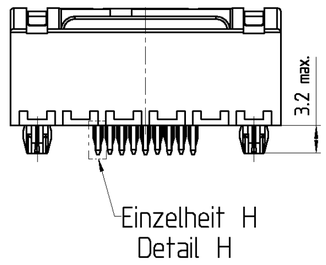
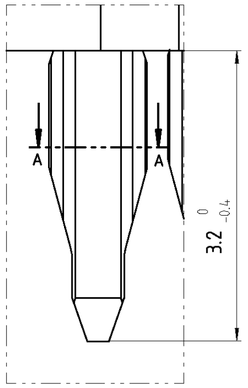


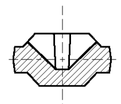


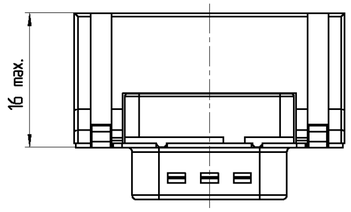


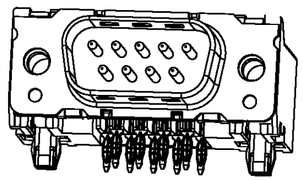
Einzelheit H (20:1)
Detail H (20:1)



Schnitt AA (20:1)
Section (20:1)







4) Plated-through hole ; incl. plating
suitable for compliant press-in zone
PCB-plating-through : 5...15 µm Sn or SnPb over min. 25 µm Cu
Drilled holes : Ø1.15 ±0.025 and Ø3.15 ±0.025
3) torqueretention >= 70 Ncm
2) according to DIN 41611 p.5, DIN IEC 353-5; incl. plating
1) according to DIN 41652 p.2 and p.4

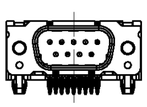
4) Durchmetallisierte Löcher; incl. Oberflächenbehandlung
Geeignet für elastische Einpreßzonen
Metallierung des Loches: 5...15 µm Sn oder SnPb über min. 25 µm Cu
Bohrdurchmesser: Ø1.15 ±0.025 und Ø3.15 ±0.025
3) Verdrehsicherheit >= 70 Nm
2) Nach DIN 41611 T.5, DIN IEC 352-5; incl. Oberflächenbehandlung
1) Nach DIN 41652 T.2 und T.4

Sachnr./Ordercode V23529-R1✱✱✱-	Polzahl n Contacts n	Maß/Dimension A	B	C	D	L
C✱09	09	31.19	16.79	25.00 +0.12 -0.13	2.74	6.12
C✱15	15	39.52	25.12	33.30 +0.15 -0.1	2.74	6.12
C✱25	25	53.42	38.84	47.04 +0.13 -0.13	2.76	5.99
C✱37	37	69.70	55.50	63.50 +0.13 -0.13	2.76	5.99

Anforderungsstufe 1)
preformance level 1)

Sachnr./Ordercode V23529-	Maß/Dimension Ø G
R1✱02-C✱✱✱	M3
R1✱03-C✱✱✱	4-40UNC

1:1



Dargestellt wird die 9-polige Ausführung V23529-R1202-C209
On the drawing : the 9 pole version V23529-R1202-C209

REV.	CHANGE ORDER	DATE	APP.
D	ECO-18-015888	10JUL2019	D.G
C	ECO-17-002586	10OCT2017	D.G
B	ECO-15-007873	24-06-15	SB
A4	ECO-11-005294	14APR11	HMR

CHANGES TO THIS DRAWING MUST BE DONE ONLY IN CAD

PAPER SIZE A2

APPLICABLE SPEC.:

FINISH

DIMENSIONS APPLY PLATING

TE Connectivity

LOC GW DIMENSIONS IN MM

SCALE 2:1; 20:1; 1:1

WEIGHT

MATERIAL

DATE 7.2.96
NAME Sterckx
APP. EC CS CI

NAME
Sub-D 90° abgewinkelt Standard Einpreß Stiftleiste
D-Sub 90° angled standard press fit Pin

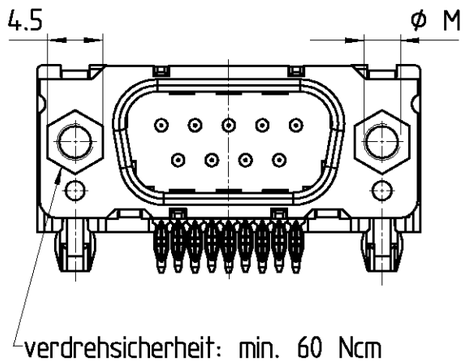
TOLERANCE UNLESS SPECIFIED OTHERWISE

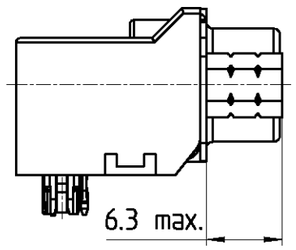
NO. V23529-R✱✱✱✱-C✱✱✱-✱-7427

SHT. 1 OF 3

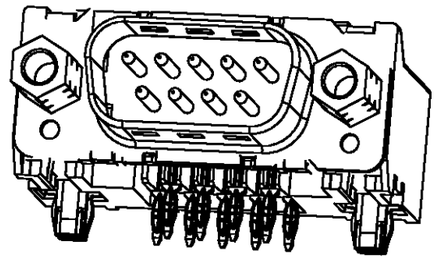
CUSTOMER DRAWING No.: C 2-1393481-5

Ausführung mit Gewindebolzen
Version with studbolt
V23529-R1*04/R1*05-C***

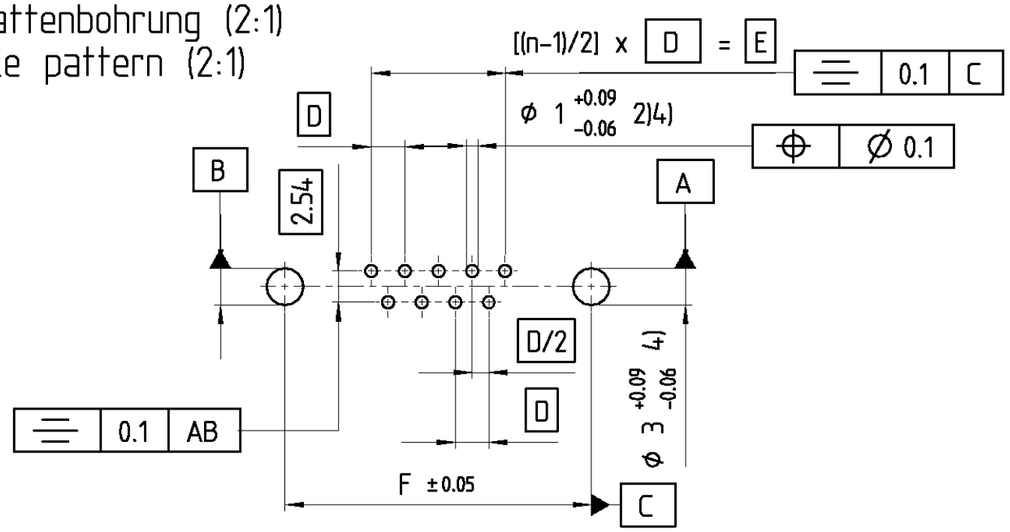




Sachnr./Ordercode V23529-	Maß/Dimension Ø M
R1*04-C***	M3
R1*05-C***	4-40UNC



Leiterplattenbohrung (2:1)
PCB hole pattern (2:1)



Sachnr./Ordercode V23529-R1***-	Polzahl n Contacts n	Maß/Dimension D	E	F
C*09	09	2.74	10.96	25.00
C*15	15	2.74	19.18	33.30
C*25	25	2.76	33.12	47.04
C*37	37	2.76	49.68	63.50

Anforderungsstufe 1)
performance level 1)

Verpreßhinweis
press-in information

Einpressen über Kunststoff mit:
- 2-Hub-Presse 60kN : 1-1393491-3
- Einpreßmaschine 60/100 kN : 4-1393488-2

Zu verwendenen Werkzeuge :
- Drückstück : 1393490-6
- Amboß : 3-1393489-5

Einstellhöhe : Abstand zwischen LP und angedrucktem Stempel : 11.15 bis 11.3mm

pressing in via the plastic body :
- 2-stroke press 60kN : 1-1393491-3
- press-fit machine 60/100kN : 4-1393488-2

pressing-in tools :
-Compression tool : 1393490-6
-anvil : 3-1393489-5

set-up heights : distance between PCB and compression tool : 11.15 to 11.3 mm

Erlauterungen siehe Seite 1
Remarks see page 1

REV.	CHANGE ORDER	DATE	APP.
D	see page 1		
C	see page 1		
B	see page 1		
A4	see page 1		

APPLICABLE SPEC.:

FINISH
DIMENSIONS APPLY PLATING

TE Connectivity

LOC GW DIMENSIONS IN MM

SCALE 2:1 WEIGHT

MATERIAL

DATE 7.2.96
NAME Sterckx
DEP. EC CS CI

NAME Sub-D 90° abgewinkelt Standard Einpreß Stiftleiste
D-Sub 90° angeld standard press fit Pin

TOLERANCE UNLESS SPECIFIED OTHERWISE

NO. V23529-R****-C***-*-7427 SHT. 2

CUSTOMER DRAWING No.: C 2-1393481-5 OF 3

PROPRIETARY

Sub-D 90° abgewinkelt Einpreß // D-Sub 90° press-in

V	2	3	5	2	9	–	+	*	*	*	*	–	+	*	*	*

EINBAUHÖHE // MOUNTING HEIGHT

R = Standardbauhöhe 7.3mm// Standard Style 7.3 mm

AUFBAU // CONFIGURATION

1 = isoliert // insulated
2 = geschirmt 1) // shielded 1)

BESCHRIFTUNG // MARKING

1 = tyco // tyco
2 = Neutral // neutral
3 = Sonderbeschriftung A// special marking A
4 = Sonderbeschriftung B// special marking B
5 = Sonderbeschriftung C// special marking C

ANSCHLUßAUSFÜHRUNG // CONTACT TYPE

0, 1 = EP-Stiel 3.2 mm // press-in pin 3.2 mm long

BEFESTIGUNG Steckseite/Leiterplatteseite // MOUNTING CONNECTOR/PCB

01 = Loch ⌀3 / ohne Massekontakt 1) // hole ⌀3 / without grounding
02 = Gewinde M3 / mit Massekontakt // thread M3 / with grounding
03 = Gewinde 4-40 UNC / mit Massekontakt // thread 4-40 UNC / with grounding
04 = Gewindebolzen M3 / mit Massekontakt // studbolt srewlock M3 / with grounding
05 = Gewindebolzen 4-40 UNC / mit Massekontakt // studbolt srewlock 4-40 UNC / with grounding

1) in Vorbereitung // in preparation

STECKERPOLZAHL // NO OF CONTACTS

09 = 9-polig // 9-contact
15 = 15-polig // 15-contact
25 = 25-polig // 25-contact
37 = 37-polig // 37-contacto rea

ANFORDERUNGSSTUFE //PERFORMANCE LEVEL

2 = Anf. II // PL II

STECKERART //CONNECTOR TYPE

C = Stiftleiste mit Schirmfiederung // male connector with grounding fingers

Active part numbers. Contact TE CONNECTIVITY for other configuration availability

Old Part Number	TE CONNECTIVITY Part Number	
V23529-R1102-C209	2-1393481-5	
V23529-R1102-C215	2-1393481-6	
V23529-R1102-C225	~~2-1393481-7~~	OBSOLETE
V23529-R1102-C237	2-1393481-8	
V23529-R1103-C209	~~3-1393481-2~~	OBSOLETE
V23529-R1103-C215	3-1393481-3	
V23529-R1103-C225	3-1393481-4	
V23529-R1103-C237	2-1392010-7 –	OBSOLETE
V23529-R1105-C209	~~3-1393481-8~~	OBSOLETE
V23529-R1105-C215	~~3-1393481-9~~	OBSOLETE
V23529-R1105-C225	~~2-1393497-7~~	OBSOLETE
V23529-R1105-C237	4-1393481-0 –	OBSOLETE

CHANGES TO THIS DRAWING MUST BE DONE ONLY IN CAD

PAPER SIZE A2

APPLICABLE SPEC.:

FINISH

DIMENSIONS APPLY PLATING

TE Connectivity

Loc GW

DIMENSIONS IN MM

SCALE WEIGHT

MATERIAL

REV.	CHANGE ORDER	DATE	APP.
D	see page 1		
C	see page 1		
B	see page 1		
A4	see page 1		

DATE 7.2.96
NAME Sterckx
APP. CI PD

TOLERANCE UNLESS SPECIFIED OTHERWISE

NAME
Sub-D 90° abgewinkelt Standard Einpreß Stiftleiste
D-Sub 90° angled standard press fit Pin

NO. V23529-R****-C***-*-7427

SHT. 3 OF 3

CUSTOMER DRAWING No.: C 2-1393481-5