



FCIconnect.com

Copyright FCI

PRODUCT NUMBER
XXXXX-YYYHPLF

- LEAD FREE OPTION
SEE NOTE 1,13
- SPECIAL OPTIONS
SEE NOTE 1 OR 10
- HIGH TEMPERATURE PLASTIC
SEE NOTE 1
- NO OF
POSITIONS
SEE NOTE 1
- PIN PLATING
SEE SHEET 2
- BASE PART NO.

67996-X XX-XXX XXX LF

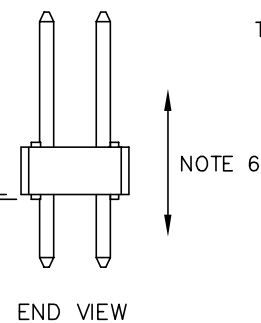
- TAIL LENGTH (EXAMPLE BELOW)
3.0mm=030 12.8mm=128
(SEE NOTE 16 & 17)
- MATING LENGTH (EXAMPLE BELOW)
5.0mm=050 25.5mm=255
(SEE NOTE 16 & 17)
- TOTAL NUMBER OF POSITIONS
FROM 2 (2X1) THRU 72 (2X36) POS.
- PIN PLATING (SEE NOTE 14)
1=0.76µm Au
4= PURE TIN
8=0.36µm Au
- BASE PART NO.
DOUBLE ROW



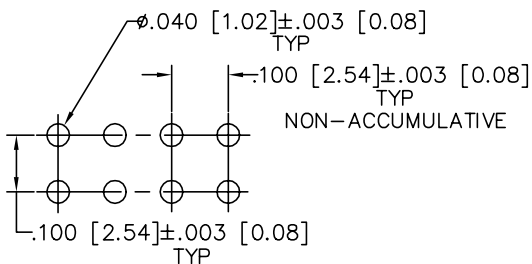
TOP VIEW



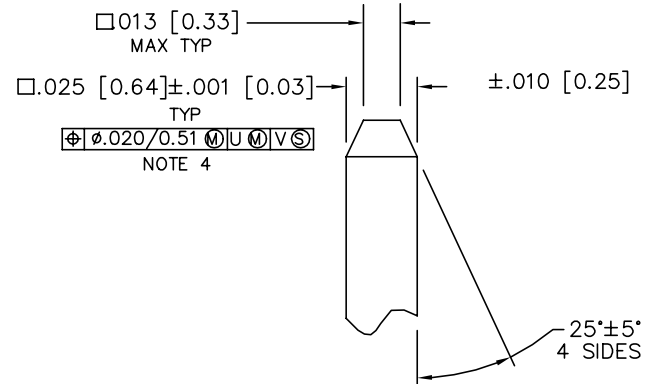
SIDE VIEW



END VIEW



RECOMMENDED HOLE PATTERN



DETAIL P
SCALE 5:1
TYP BOTH ENDS

mat'l. code NOTE 2 & 3				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family BERGSTIK									
ltr		ecn no		dr		date		tolerances unless otherwise specified				title							
DF		N11-0180		J.Z		2011-05-31		angles		linear		.001±.01 / .001±.03		INCH/MM		BERGSTIK II HEADER D/R			
DG		ELX-N-13471		J.Z		2011-11-16		0°±2'				.001±.0005 / .001±.13		scale 2:1		.100/2.54cc STRAIGHT			
DH		ELX-N-16105		ZK		2013-10-22						.001±.0020 / .001±.051				dwg no			
								dr		T.BREWBAKER		12/21/94				sheet 1 of 8		size	
								enrg		T.HANNA		12/21/94				67996		A3	
								chr		J.MURPHY		12/21/94							
								appd		T.HANNA		12/21/94				type		Product Customer Drawing	
sheet		revision		DH		...		DH											
index		sheet		1		...		8											

PIN PLATING CODES:	
XXXX-1YY	30u"/0.76u MIN (SEE NOTE 14) OVER 50u"/1.27u MIN Ni
XXXX-2YY	15u"/0.38u MIN (SEE NOTE 14) OVER 50u"/1.27u MIN Ni
XXXX-3YY	50u"/1.27u MIN (SEE NOTE 14) OVER 50u"/1.27u MIN Ni
XXXX-4YY	100u"/2.54u MIN Sn OVER 50u"/1.27u MIN Ni (SEE NOTE 15)
XXXX-4YYHLF	
XXXX-5YY	15u"/0.38u MIN (SEE NOTE 14) OVER 50u"/1.27u MIN Ni
XXXX-6YY	30u"/0.76u MIN (SEE NOTE 14) OVER 50u"/1.27u MIN Ni
XXXX-7YY	30u"/0.76u MIN (SEE NOTE 14) OVER 50u"/1.27u MIN Ni
XXXX-8YY	15u"/0.38u MIN (SEE NOTE 14) OVER 50u"/1.27u MIN Ni
XXXX-9YY	15u"/0.38u MIN (SEE NOTE 14) OVER 50u"/1.27u MIN Ni
XXXX-0YY	30u"/0.76u MIN (SEE NOTE 14) OVER 50u"/1.27u MIN Ni

NOTES

1. PART NUMBER OPTIONS:
PIN PLATING CODES (SEE ABOVE)

HIGH TEMPERATURE MATERIAL:

PART NUMBERS WITH AND WITHOUT "H" WILL BE SUPPLIED WITH HIGH TEMPERATURE PLASTIC.

NUMBER OF POSITIONS :

EVEN NUMBER OF POSITIONS FROM 2 (2X1) THROUGH 72 (2X36).
-X00H INDICATES BERGSTRIIP PRODUCT. SEE PAGE 3
FOR SPECIAL GEOMETRY OF THIS CONTINUOUS STRIP PRODUCT.
AUTOMATED REELS WILL CONTAIN 45,000 PINS.
SEE SPECIFIC PART NUMBERS FOR AVAILABILITY.

PACKAGING:

PACKAGED IN POLY BAGS.
EIGHT DIGIT PART NUMBERS FOLLOWED BY A "T" ARE PACKAGED
IN TUBES. SEE SPECIFIC PART NUMBERS FOR AVAILABILITY.
EIGHT DIGIT PART NUMBERS FOLLOWED BY A "G" ARE PACKAGED
IN GPAX FOR IBM ONLY. SEE SPECIFIC PART NUMBERS FOR AVAILABILITY.
PART NUMBERS FOLLOWED BY A "C" ARE PACKAGED IN TUBES
WITH A PICKUP CAP APPLIED.
EIGHT DIGIT PART NUMBERS FOLLOWED BY A "A" ARE PACKAGED 
IN TAPE/REEL WITH PICKUP CAP P/N 95730-003 APPLIED, PER BUS-14-345.

LEAD FREE:

ADD "HLF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE
OPTION, NOT AVAILABLE FOR -5YY,-5YYH, -6YY & -6YYH

2. BODY MATERIAL:

BODY MATERIAL : MANUFACTURER'S OPTION OF NYLON, PCT GLASS FIBER
REINFORCED OR MINERAL FILLED LCP FLAME RETARDENT PER UL-94V-0.
COLOR: BLACK

BERGSTRIIP™ PRODUCED WITH HIGH TEMPERATURE LCP
THERMOPLASTIC, FLAME RETARDENT PER UL-94V-0.
COLOR: BLACK

PART NUMBERS WITH "H" AND WITHOUT SUFFIX WILL WITHSTAND EXPOSURE
TO 260° C PEAK TEMPERATURE FOR 20 SECONDS IN
WAVE SOLDER, INFRA-RED OR VAPOR PHASE SOLDER PROCESS.

3. PIN MATERIAL: PHOS BRONZE.

4. MEASURED WITH PART IN RESTRAINED CONDITION.

5. TWO SIDES OF PIN TIPS NOT PLATED. TYPICAL BOTH ENDS.

6. 2LBS/0.9KG MIN PIN RETENTION IN EITHER DIRECTION.

7. MILITARY BERGSTIK HEADER
P/N XXXXX-XY-MIL
NOT AVAILABLE.

8. ±.010/0.25 TOL APPLIES TO ALL "G" TAILS EXCEPT
INDICATED PARTS ON TABLE WHERE +.010/0.25 -.000/0.00
APPLIES.

9. NOTCH CONFIGURATION WILL VARY PER VENDOR'S DISCRETION.

10. BERGSTRIIP™ PART NUMBERS FOLLOWED BY
BY A "B" ARE BULK PRICED.

11. TAIL LENGTH (DIM. G) TO BE ±.008/.020.

12. POSITIONS PER ROW 37 TO 50 CAN BE PRODUCED,
BUT FLATNESS AND CURVATURE MAY NOT BE
HELD AS CLOSE AS 36 POSITIONS.

13. THESE PRODUCTS MEETS EUROPEAN UNION DIRECTIVES AND OTHER
COUNTRY REGULATION AS DESCRIBED IN GS-22-008.

14. PLATING OPTIONS:
PERFORMANCE PLATING WILL BE EITHER GOLD OR GXT ON POST OR TAIL,
OPTIONALLY (78~295u"/2~7.5u) TIN ON TAIL.

15. "THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND
HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT
ENVIRONMENTS."

16. THE OAL DON'T EXCEED 34.5mm

17. INCREMENTS BY 0.1mm IN LENGTHS ONLY

18. FOR SPECIAL PACKAGING REQUEST PLEASE CONTACT PRODUCT MANAGER FOR AVAILABILITY

19. TO DETERMINE DIMENSIONS:
N=NUMBER OF POSITION PER ROW
EXAMPLE: 10 POS. N X .100/2.54

mat'l. code					surface			tolerance		projection		product family		
NOTE 2 & 3					ISO 1302 ✓			ISO 406				BERGSTIK		
ISO 1101					ISO 1101			ISO 1101						
ltr					tolerances unless otherwise specified							title		
ecn no dr date												BERGSTIK II HEADER D/R		
DG					angles		linear		.XX±.01/.XX±.3		INCH/MM			
									.XXX±0.005/.XXX±.13					
					0°±2°				.XXX±0.020/.XXX±.05		scale 2:1			
					dr		T.BREWBAKER		12/21/94		dwg no			
					enrg		T.HANNA		12/21/94		sheet 2 of 8			
					chr		J.MURPHY		12/21/94		67996			
					appd		T.HANNA		12/21/94		A3			
											type Product Customer Drawing			
sheet		revision												
index		sheet												

Copyright FCI



FCIconnect.com

A

B

C

D

form: A3

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

201

202

203

204

205

206

207

208

209

210

211

212

213

214

215

216

217

218

219

220

221

222

223

224

225

226

227

228

229

230

231

232

233

234

235

236

237

238

239

240

241

242

243

244

245

246

247

248

249

250

251

252

253

254

255

256

257

258

259

260

261

262

263

264

265

266

267

268

269

270

271

272

273

274

275

276

277

278

279

280

281

282

283

284

285

286

287

288

289

290

291

292

293

294

295

296

297

298

299

300

301

302

303

304

305

306

307

308

309

310

311

312

313

314

315

316

317

318

319

320

321

322

323

324

325

326

327

328

329

330

331

332

333

334

335

336

337

338

339

34

PRODUCT NUMBER	TOT. PIN	LGTH.	TAIL LENGTH	MATING LENGTH					BERGSTRIPTM	
	DIM F	DIM F	DIM G	DIM G	DIM H	DIM H	PACKAGING	NOTES	AVAILABLE	LF OPTION
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC				
87345-XXX	1.218	30.94	0.406	10.31	0.712	18.08	POLY BAGS		NO	NOTE 1,13
87348-XXX	0.930	23.62	0.100	2.54	0.730	18.54	POLY BAGS		NO	
87349-XXX	0.890	22.61	0.110	2.79	0.680	17.27	POLY BAGS		NO	
87381-XXX	0.645	16.38	0.100	2.54	0.445	11.30	POLY BAGS		NO	
87382-XXX	0.675	17.15	0.100	2.54	0.475	12.07	POLY BAGS		NO	
87503-XXYH	0.630	16.00	0.110	2.79	0.420	10.67	POLY BAGS		NO	
87869-XXX	0.690	17.53	0.230	5.84	0.360	9.14	POLY BAGS		NO	
87894-XXX	0.588	14.94	0.170	4.32	0.318	8.08	POLY BAGS	-	NO	
87900-XXX	0.940	23.88	0.120	3.05	0.720	18.29	POLY BAGS	-	NO	
87901-XXX	1.040	26.42	0.120	3.05	0.820	20.83	POLY BAGS	-	NO	
87903-XXX	0.963	24.46	0.337	8.56	0.526	13.36	POLY BAGS		NO	OB
88797-XXX	0.950	24.13	0.320	8.13	0.530	13.46	POLY BAGS		NO	OB
88812-XXX	0.415	10.54	0.085	2.16	0.230	5.84	POLY BAGS/TUBES	NOTE 8	NO	OB
88886-XXX	1.306	33.17	0.276	7.01	0.930	23.62	POLY BAGS		NO	OB
89446-XXX	0.930	23.62	0.120	3.05	0.710	18.03	POLY BAGS		NO	OB
89540-XXX	0.760	19.30	0.280	7.11	0.380	9.65	POLY BAGS		NO	OB
89542-XXX	1.065	27.05	0.125	3.18	0.840	21.34	POLY BAGS		NO	OB
89639-XXX	1.260	32.00	0.118	3.00	1.042	26.47	POLY BAGS		NO	OB
91828-XXX	0.450	11.43	0.120	3.05	0.230	5.84	TUBES		NO	OB
92417-XXX	0.530	13.46	0.110	2.79	0.320	8.13	POLY BAGS	-	NO	
93216-XXYH	0.573	14.55	0.155	3.94	0.318	8.08	POLY BAGS/TUBES		NO	OB
93216-632HG	0.573	14.55	0.155	3.94	0.318	8.08	GPAX	NOTE 1	NO	OB
93217-XXYH	0.395	10.03	0.095	2.41	0.200	5.08	POLY BAGS		NO	OB
93254-XXX	0.563	14.30	0.110	2.79	0.353	8.97	POLY BAGS	-	NO	NOTE 1,13



Copyright FCI

form: A3

mat'l. code					surface		tolerance		projection		product family																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
NOTE 2 & 3					ISO 1302 ✓		ISO 406 ISO 1101				BERGSTIK																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
ltr		ecn no		dr	date	tolerances unless otherwise specified										title																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
DH						angles		linear		XXX+01 / XX+3 XXXXX+0.005 / XXX+13 XXXXX+0.020 / XXXX+0.051		INCH/MM		BERGSTIK II HEADER D/R .100/2.54cc STRAIGHT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
						Ø ±.2"						scale 2:1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
						dr		T.BREWBAKER		12/21/94				dwg no					sheet 7 of 8					size																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
						engr		T.HANNA		12/21/94									67996					A3																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
						chr		J.MURPHY		12/21/94																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
						appd		T.HANNA		12/21/94																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
sheet index		revision sheet																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

